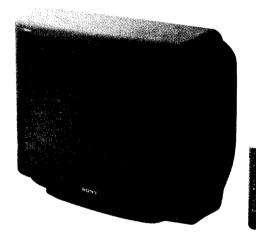
KV-S2911P/S2911D KV-S2912U/S2913E

RM-832

SERVICE MANUAL



French Model Chassis No. SCC-F32C-A AEP Model Chassis No. SCC-F26C-A UK Model Chassis No. SCC-F25C-A Spanish Model

AE-2 chassis

MODELS OF THE SAME SERIES

KV-S2911B/S2911D

KV-E2531D/E2931D/E3431D

KV-S2912U/S2913E

Channel coverage UHF: B21-B69

Television system B/G/H, D/K

NICAM stereo

GERMAN/NICAM stereo

PAL B/G VHF: E2-E12

CABLE TV (1) : \$1-\$41

ITALIA VHF: A-H2 (C)

D/K VHF: R1-R12 UHF: R21-R60

CABLE TV (2) : S01-S05, M1-MD, U1-U10

KV-E2531B/E293IB/E3431B

UHF: [2 1-E69

UHF: 2- 69

-Continued to snext page-

KV-E2533E/E2933E/E3433E/E2532U/E2932U

SPECIFICATIONS

[KV-S2912U]

Stereo system

[KV-S2913E]

Stereo system

Channel coverage

Television system [

[KV-S2911B]

Television system B/G/H, D/K L, I GERMAN stereo Stereo system

Channel coverage L VHF: F02-F10 UHF: F21-F69

CABLE: B-Q

B/G/H VHF: E2-E12 UHF: E21-E69

CABLE TV (1) : S1-S41

CABLE TV (2) : S01-S05, M1-M10, U1-U10

ITALIA VHF: A-H2 (C) UHF: 21-69

D/K VHF: R1-R12 UHF: R21-R60 CABLE TV: S1-S41

UHF: B21-B69

[KV-S2911D]

Television system B/G/H, D/K Stereo system **GERMAN** stereo

Channel coverage PAL B/G VHF: E2-E12 UHF: E21-E69

CABLE TV (1) : S1-S41

D/K VHF: R1-R12

TRINITRON®COLOUR TV SONY

CABLE TV (2) : S01-S05, M1-M10, U1-U10

UHF: R21-R60



Colour system

PAL, SECAM, NTSC3.58, NTSC4.43

Picture tube Super Black Trinitron

Approx. 72 cm (29 inches)

(Approx. 68 cm picture measured

diagonally) 110 °-deflection

Inputs/Outputs Terminals

[REAR]

- 1 21-pin Euro connector (CENELEC standard)

Inputs for audio and video signals

• inputs for RGB

• outputs of TV video and audio signals

→ 2/- 2 21-pin Euro connector

• inputs for audio and video signals

• inputs for S video

• outputs for audio and video signals (selectable)

→ 4/-9 4 21-pin Euro connector

• inputs for audio and video signals

• inputs for S video

 outputs for audio and video signals (monitor out)

→ 2, → 4 S video inputs

• 4 pin DIN

◆ Audio inputs (L, R) -phono jacks

➡ S video output - 4 pin DIN

Audio outputs - phono jacks

→ Audio outputs (variable) - phono jacks

External speaker terminals: 2 pin

[FRONT]

● 3 Video input-phono jack

• Audio input-phono jacks

- 3 S video input 4-pin DIN

Ω Headphone jack : Stereo minijack

Sound output

2×15 (RMS)

2×35 (Music)

Power consumption

145Wh (KV-S2911D) 145Wh (KV-S2911B)

145Wh (KV-S2913E) 218W (KV-S2912U)

Dimensions incl.speakers

Approx.702 x 558 x540 mm

Weight

Approx. 55.0 kg

Supplied accessories

RM-832 Remote Commander (1)

IEC designation R6 batteries (2)

Other features

Digital comb filter (High

resolution)

PIP (Picture-in-picture) Programmable commander

NICAM/GERMAN FASTTEXT

[RM-832]

Remote control system

infrared control

Power requirements

3V dc

2 batteries IEC designation

R6 (size AA)

Dimentions

Approx.65 \times 222 \times 21mm (w/h/d)

Weight

Approx.157g (Not including

Batteries)

Design and specifications are subject to change without notice.

	KV - \$2911D	KV - S2913E	KV - \$2911B	KV - S2912U
Pal Comb	ON	ON	ON	ON
PiP	ON	ON	ON	ON
RGB Priority	ON	ON	OFF	ON
Woofer Box	OFF	OFF	OFF	OFF
Scart 1	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON
Front In (3)	ON	ON	ON	ON
Scart 4	ON	ON	ON	ON
Dyn. Convergerce	ON	ON	ON	ON
Projector	OFF	OFF	OFF	OFF
AKB in 16: 9 mode	ON	ON	ON	ON
Norm B/G	ON	ON	ON	OFF
Norm I	OFF	OFF	ON	ON
Norm D/K	ON	ON	ON	OFF
Norm AUS	OFF	OFF	OFF	OFF
Norm L	OFF	OFF	ON	OFF
Norm SAT	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF
		<u> </u>		
Language Preset	Deutsch	Espanol	Français	English

WARNING KV-S2912U only

The flexible mains lead is supplied to connected a B.S. 1363 fused plug having a fuse of 5 amp capacity. Should the fuse need to be replaced, use a 5 AMP FUSE approved by ASTA to BS 1362, ie carries the mark.

If the plug supplied with this appliance is not suitable for your socket outlets in your home, it should be cut off and an appropriate plug fitted.

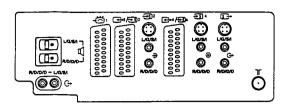
The plug severed from the mains lead must be destroyed as a plug with bared wires is dangerous if engaged in a live socket outlet.

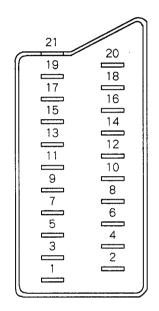
When an alternative type of plug ist used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be projected by a 5 AMP FUSE at the distribution board.



How to replace the fuse
Open the fuse compartment withthe blade screwdiver, and replace the fuse.

21 pin connector (♂1 → 2/→4)





Pin No	1	2	4	Signal	Signal level
1	0	0	0	Audio output B (right)	Standard level: 0.5Vrms Output impedance: Less than 1kohm*
2	0	0	0	Audio input B (right)	Standard level: 0.5Vrms Input impedance: More than 10kohms*
3	0	0	0	Audio output A (left)	Standard level: 0.5Vrms Output impedance: Less than 1kohm*
4	0	0	0	Ground (audio)	
5	0	0	0	Ground (blue)	
6	0	0	0	Audio input A (left)	Standard level: 0.5Vrms Input impedance: More than 10kohms*
7	0	•	•	Blue input	0.7 ± 3dB, 75ohms, positive
8	0	0	0	Function select (AV control)	High state (9.5 - 12V): Part mode Low state (0 - 2V): TV mode Input impedance: More than 10kohms Input capacitance: Less than 2nF
9	0	0	0	Ground (green)	
10	0	0	0	Open	
11	0	•	•	Green	Green signal: 0.7V ± 3dB, 75ohms, positive
12	0	0	0	Open	
13	0	0	0	Ground (red)	
14	0	0	0	Ground (blanking)	
	0	_	1	Red input	0.7V ± 3dB, 75ohms, positive
15	-	0	0	(S signal) croma input	0.3V ± 3dB, 75ohms, positive
16	0	•	•	Blanking input (Ys signal)	High state (1 - 3V) Low state (0 - 0.4V) Input impedance: 75ohms
17	0	0	0	Ground (video output))
18	0	0	0	Ground (video input)	
19	0	0	0	Video output	$1V \pm 3$ dB, 75ohms, positive Sync : 0.3V (-3, +
	0	_	-	Video input	$1V \pm 3$ dB, 75ohms, positive Sync: 0.3V (-3, +
20	-	0	0	Video Input/Y (S signal)	$1V \pm 3dB$, 75ohms, positive Sync: 0.3V (-3, + 10dB)
21	0	0	0	Common ground (plug	ı, shield)

O Connected • unconnected (open)

* at 20Hz - 20kHz

4 Pin connector (19)

Pin No	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	$1V \pm 3dB$ 75ohm, positive Sync $0.3V_{+10}^{-3} dB$
4	C (S signal) input	0.3V ± 3dB 75ohm, positive



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		CAUTION			ATTENTION	
	SHO	RT CIRCUIT THE ANODE OF THE PICTURE TUBE	Α .	PRES	AVOIR DECONNECTE LE CAP DE	L'ANODE,

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK

ON THE SCHEMATIC DIAGRAMS, EXPLODED
VIEWS AND IN THE PARTS LIST ARE CRITICAL TO
SAFE OPERATION. REPLACE THESE COMPONENTS
WITH SONY PARTS WHOSE PART NUMBERS APPEAR
AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS
PUBLISHED BY SONY.

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

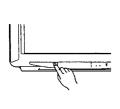
LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE À SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES RIMPLACER QUE PAR DES COMPOSANTS SONY DONTLE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSEN T MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 GENERAL

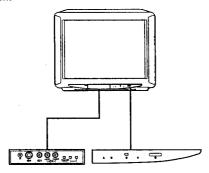
1-1. OVERVIEW

This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.

TV set-front

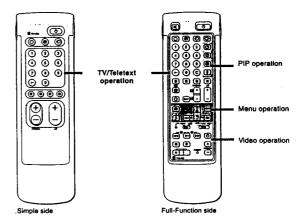


S



Symbol	Name	Refer to page
Φ	Main power switch	14
Ф	Standby indicator	14
A-CO-B	Stereo A/B indicators	16
Ω	Headphones jack	22
€3, €3, €3,	Input jacks (S video/video/audio)	22
P→△→⊕ └───	Function selector (Programme/volume/input)	15
-/+	Adjustment buttons for function selector	15

Remote commander RM-832



The operating instructions mentioned here are partial abstracts from

the Operating Instruction Manual. The page numbers of the

Operating Instruction Manual remein as in the manual.

TV/Teletext operation

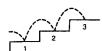
Note The SAT button does

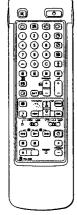
not operate with this TV.

	PIP (Picture-in-Picture)) oj	oerat	ioi
_				

1 V/ ICICIC	xi operation		rir (rictare-iii-i ictare) operation			
Symbol	Name	Refer to page	Symbol	Name	Refer to page	
<	Muting on/off button	15	•	PIP on / off button	18	
Ф	Standby button	14	1	PIP source selector	18	
0	TV power on/TV mode selector button	14	Ø	Swap button PIP position changing button	18 18	
(F)	Teletext button	15		-		
Ð	Input mode selector	15	Menu ope	eration		
G•	Output mode selector	23	Symbol	Name	Refer to page	
1,2,3,4,5,6, 7,8,9 and 0	Number buttons	14	MENU Δ+/∇-	Menu on/off button Select buttons	8	
-/- -	Double-digit entering button	14	ок	OK (confirming) button	8	
С	Direct channel entering button	13	+	Back button	8	
△ +/-	Volume control button	14	later en			
PROGR+/-	Programme selectors	14	Video op	eration		
6 6	Teletext page access buttons	19	Symbol	Name	Refer to page	
-	Picture adjustment button	16	MEM USE	MEM/USE switch	25	
1	Sound adjustment button	16	MEM	MEM Indicator	25	
G	On-screen display button	15	VTR 1/2/3, MDP	Video equipment selector	25	
69	Teletext hold button	19	44>>>	Video equipment operation	25	
69	Time display button	15	■II ● む PROGR +/-	buttons		
	Fastext buttons	19	RESET	RESET button	25	

1-2. STEP 3 - TUNING IN TO TV STATIONS





Once you have set up the TV, you can choose the language of the menu. Then you should preset the channels (up to 100 channels) by choosing either the automatic or manual method.

The automatic method is easier if you want to preset all receivable channels at once. Use the manual method if you only have a few channels and want to preset channels one by one. The manual method is also convenient for allocating programme numbers to various video input sources.





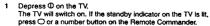
DAMME PRESET. (co.)2. of a CO. SEC. (co.)2. Select CED and press OK

Manual Menu

Before you begin

- Check that the Full-Function side of the Remote Commander is
- Locate Menu operation buttons on the Remote Commander. They are shaded in the illustration at the left.

Display the Menu



Press the MENU button The main menu appears. (See Fig. 1.)



Select »Language« with the ∆ + or ∇ – button and press the OK

The LANGUAGE menu appears. (See Fig. 2.)

2 Select the language you want with $\Delta + \text{or } \nabla$ – and press OK,

»Preset Channels Automatically«

»Preset Channels Manually«,





Fig. 2.

With this method, you can preset all receivable channels at once.

To stop automatic channel presetting Press - on the Remote Commander

Notes

- · After presetting the channels automati cally, you can check which channels are stored on which programme positions. For details, see Using the Programme Table - on page 16.
- You can exchange the programme positions to have them appear on screen in the order you like. For details, see Exchanging the Programme Posi-tions on page 10.

Use this method if

there are only a few channels in your area to preset or if you

want to preset chan-nels one by one. You

gramme numbers to

various video input

If you have made a

mistake Press ← to go back to the previous

To go back to main

normal TV picture Press MENU.

sources.

Preset channels automatically Select *Preset* with Δ + or ∇ - and press OK.

- The PRESET menu appears. (See Fig. 3.) Select »Auto Programme» with Δ + or ∇ – and press OK.
- The AUTO PROGRAMME menu appears. (See Fig. 4.) 3 Press OK repeatedly until the first element of the »PROG« number is highlighted.
- 4 Select the programme (number button) from which you want to select the programme (number votion) from which you main to start presetting. Select the first element of the double-digit number with Δ + or ∇ – or the number buttons (e.g. For *04*, select . »0« here) and press OK.
 - The second element of »PROG« will be highlighted.
- 5 Select the second element of the double-digit number with Δ + or ∇ – or the number buttons (e.g. For »04«, select »4« here) (See
- 6 Press OK. The automatic channel presetting starts.

When presetting is finished, the preset menu reappears. All available channels are now stored on successive number



Fig. 3.



Fig. 4.



Preset channels manually

- Select »Preset» with Δ + or ∇ and press OK. The PRESET menu appears. (See Fig. 6.)
- 2 Select »Manual Programme Preset« with ∆ + or ∇ and press

The MANUAL PROGRAMME PRESET menu appears.



PROG	SYS	CHS	EARCH	LABEL	. AFT
-1	1	CZ:	of :		(on)
2		C34	off		(on)
3	1	C33	of i		(an)
4		C4S	-		ioni
5		COS			ioni
	1	C44			lani
7		CS4			-
	i	Can			less)
•	i	C39			-
10	i	C59			

Fig. 7.

S

To go back to main menu Keep pressing -

To go back to the normal TV picture Press MENU. Note on the DEMO

function If you choose »Demo» on the main menu, you can see a sequential demonstration on the menu

Choose a language

then press -.

Now, choose one of the following methods

To tune in a channel by frequency
After selecting F in step 5, enter three digits using the number buttons.

If you have made a

back to the previous

To go back to the

normal TV picture Press MENU.

Press ← to go

position.

To go back to main menu
Keep pressing ←.

3 Using △ + or ∇ ~, select the programme position (number button) to which you want to preset a channel, and press OK.

Select if necessary, a video input source (EXT) with ∆ + or ∇ −. Then press OK. The CH position will be highlighted. (See Fig. 8.)

5 Using ∆ + or ∇ −, select C (to preset a regular channel) or F (to tune in by frequency) and press OK. The first element of the "CH+ number will be highlighted. If you have selected EXT in step 4, select the video input source with ∆ + or ∇ −. (See Fig. 9.)

Fig. 9. annels, if you know the channel

There are two ways to preset channels. If you know the channel number, go to step *6-Manual*,

or

if you don't know the channel number, go to step »6-Search«.

6 Manual

- Select the first element of the »CH« number with ∆ + or ∇ or the number buttons and press OK.
 The second element of the »CH« number will be highlighted.
- -b Select the second element of the number with ∆ + or ∇ or the number buttons.
 The selected number appears. (See Fig. 10.)
- -c Press OK.
 The SEARCH- position is highlighted and the selected channel
- is now stored. (See Fig. 11.)

 -d Press OK until the cursor appears by the next programme
- -e Repeat steps 3 to 6 to preset other channels.

6 Search

- Press OK repeatedly until the colour of the SEARCH position changes.
- •b Start searching for the channel with ∆ + (up) or ∇ (down). The CH position changes colour. (See Fig. 12.) The CH number starts counting up or downwards. When a channel is found, it stops. (See Fig. 13.)
- -c Press OK if you want to store this channel. If not, press Δ + or ∇ to continue channel searching.
- -d Press OK until the cursor appears by the next programme position.
- -e Repeat steps 3 to 6 to preset other channels.

[2 1 C35 (off) (on)] Fig. 10. [2 1 C35 (off) (on)] Fig. 11.

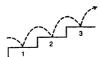
(E21 (eff) ----- (on)

3 STET AVI

t i cas (eff) (en) Fig. 12.

Z 1 C50 (AV) (on) Fig. 13.

1-3. ADDITIONAL PRESETTING FUNCTIONS



This section shows you additional presetting functions such as exchanging or skipping programme positions, captioning a station name, manual fine-tuning, and using the parental lock.

Before you begin

- Check that the Full Function side of the Remote Commander is visible.
- Locate the Menu operation buttons.

PROGRAMME.

0000

0000

ŎŎŎĞ **0**000

1 20 20 0 0 10 0 10

999

(3)

Exchanging Programme Positions

With this function, you can exchange the programme positions to a preferable order.

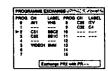
- 1 Press MENU to display the main menu.
- 2 Select »Preset« with △ + or ▽ ~ and press OK. The PRESET menu appears.
- 3 Select »Programme Exchange« with ∆ + or ∇ and press OK. The PROGRAMME EXCHANGE menu appears. (See Fig. 14.)
- 4 Using ∆ + or ∇ -, select the programme position you want to exchange with another and press OK.
 The colour of the selected position changes. (See Fig. 15.)
- 5 Using ∆ + or ∇ -, select the programme position to be exchanged and press OK. Now the two programme positions have been exchanged. (See Fig. 16.)
- 6 Repeat steps 4 and 5 to exchange other programme positions.

PROGE	MANUE E	XCHAN	X		100
PROG	CH AVI CE2 CS1	BBCS BBCS	PROG 8 9 10 11 12 13 14 15	C26	CASER.
	(change (1953 med	h PR -	

Fig. 14.

3	CS1	99CS	11	

Fig. 15.



Flg. 16.

For programme positions beyond 15 The display scolls automatically.

To go back to main menu Keep pressing ← .

To go back to the normal TV picture Press MENU.

Tuning in a Channel Temporarily

You can tune in a channel temporarily, even when it has not been preset. Use the buttons on the Full-Function side of the Remote Commander.



2 Enter the double-digit channel number using the number buttons (e.g. for channel 4, first press 0, then 4). The channel appears. However, the channel will not be stored. (c)

10

MANUAL PROGRAMME PRESET

Skipping Programme Positions

You can skip unused programme positions when selecting programmes with the PROGR +/- buttons. However, the skipped programmes may still be called up when you use the number buttons.

- 1 Press MENU to display the main menu.
- 2 Select »Preset« with △ + or ∇ and press OK. The PRESET menu appears.
- 3 Select »Manual Programme Preset« with △ + or ∇ and press OK.
 The MANUAL PROGRAMME PRESET menu appears.
- The MANUAL PROGRAMME PRESET menu appears. (See Fig. 17.)
- 4 Using ∆ + or ∇ −, select the programme position which you want to skip and press OK. The »SYS« position changes colour.
- 5 Press ∆ + or ∇ until » - « appears in the SYSTEM position. (See Fig. 18.)
- 6 Press OK. (See Fig. 19.) When you select programmes using the PROGR +/- buttons, the programme position will be skipped.
- 7 Repeat steps 4 to 6 to skip other programme positions.



If you have made a mistake
Press --- to go back to the previous position.

 ∞

To go back to main menu Keep pressing ← .

To go back to the normal TV picture Press MENU,

Captioning a Station Name

You can *name* a channel or an input video source using up to five characters (letters or numbers) to be displayed on the TV screen (e.g. BBC1). Using this function, you can easily identity which channel or video source you are watching.

- Press MENU to display the main menu.
- Select *Preset* with ∆ + or ∇ and press OK. The PRESET menu appears.
- 3 Select *Manual Programme Preset * with △ + or ▽ and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 20.)
- 4 Using ∆ + or ∇ -, select the programme position you want to caption and press OK repeatedly until the first element of the LABEL position is highlighted.
- 5 Select a letter or number with △ + or ▽ and press OK. The next element will be highlighted. Select other characters in the same way. If you want to leave an element blank, select - and press OK. (See Fig. 22.)
- 6 After selecting all the characters, preas OK repeatedly until the cursor appears by the next programme position (at the left margin). Now the caption you chose is stored. (See Fig. 21.)
- 7 Repeat steps 5 and 6 to caption names for other channels

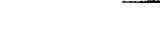


PROG	SYS	CH :	SEARCH	LABEL	AF
► 1		C21	1 08		100
2	1	C24	i of		ion
3	1	C25	1 04	i	lon
4		C27	i es	i	ion
5		C28	(of	i	ior
	1	CSS	(🖛)	·	i
7	1	C26	(off		100
•	1	C25	(off		(0)
•		CZ3	(of)		los
10	,	CZS	(of		(or

Fig. 17.

3		
Fig.	18	

F 3	;	
Fig.	19.	



	PROG	31		SE	ACH	LABEL	AFT
	P-1		CZ1		of 1		ioni
	2	•	C24	٠.	er i	****	font
		•	C25		of i	*****	toni
-	4	•	CZI	· i	eff i		ioni
1		1	CZE		of i	*****	ioni
		į.	CZZ	ì	of i		-
	7	i.	CZE	1	- (ine!
		í.	CZS	1			1
		i	ČŽŽ		- (
	10	i	CZS		Si i		1
- 1					- ,		(mil
- 1			Relect FX	-	-	- 04	

MARIAL PROGRAMME PRESET THE PLANT

Flg. 20.

2 1	C25	(of)	S (en)
Fig. 21.			
2 1	CZS	(oif)	SORY- (on)

Fig. 22.

MANUAL PROGRAMME PRESET

Manual Fine-Tuning

Normally, the AFT (automatic fine-tuning) is already operating. However, if the picture is distorted, you can use the manual fine tuning function to obtain better picture reception.

- 1 Press MENU to display the main menu.
- 2 Select "Preset" with ∆ + or ∇ and press OK. The PRESET menu appears.
- 3 Select »Manual Programme Preset« with ∆ + or ∇ and press OK.
 - The MANUAL PROGRAMME PRESET menu appears. (See Fig. 23.)
- 4 Using ∆ + or ∇ −, select the programme position corresponding to the channel which you want to manually fine-tune, and press OK repeatedly until the AFT position changes colour.
- Fine-tune the channel with ∆ + or ∇ so that you get the best TV reception. As you press the cursor buttons, the frequency changes from -15 to +15. (See Fig. 24.)
- 6 After fine tuning, press OK. The cursor appears beside the next programme position (at the left margin). (See Fig. 25.) Now the fine-tuned level is stored.
- 7 Repeat steps 4 to 6 to fine-tune other channels.

PROG	SYS	CH S	EARCH	LABEL	N
P 1	1	C21	of 1	*****	fon
2	1	C24	-	*****	ion
,	1	C25	-	*****	ien
4	1	C27	of i		ion
	1	C28	-		ten
	1	CZZ	of i		íon
7	1	C26	of i	*****	ine
	1	C25	-	*****	ion
,	1	CZS	-		ion
10	1	CZ9	-		ien

Fig. 24.

2 1	Ç24	(aff)	 (-3)	
Fig. 25.				

	C24 (3	*****	(3
-3	C2S	007)	*****	-

Fig. 26.

PARENTAL LOCK

If you try to select a

programme that has been blocked

The message *LOCKED* appears

on the blank TV

To reactivate AFT

Repeat from the beginning and select *ON* in step 5.

(automatic fine tun-

Parental Lock

You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

- 1 Press MENU to display the main menu.
- 2 Select "Preset" with ∆ + or ∇ and press OK. The PRESET menu appears.
- 3 Select »Parental Lock« with Δ + or ∇ and press OK, The PARENTAL LOCK menu appears. (See Fig. 26.)
- 4 Using Δ + or ∇ -, select the programme position you want to block and press OK. The selected PROG number, CH and LABEL change colour Indicating that this programme is now blocked. (See Fig. 27.)
- 5 Repeat step 4 to block other programme positions.

Repeat step 4 to block other Cancelling blocking

- On the PARENTAL LOCK menu, select the programme position you want to unblock with Δ + or ∇ −.
- 2 Press OK. The selected PROG number, CH and LABEL change colour to normal colour indicating that the blocking has been cancelled.



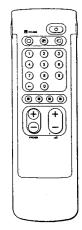
Fig. 26.

PROG	CH	LABEL	PROG CH	CARE
►0	AV1	VHS		
1	CZS	BBC2		
	C42	BBCI		
3	COS	C4		

Fig. 27.

operation Instructions

1-4. WATCHING THE TV



9

If no picture appears when you depress Φ on the TV and if the standby indicator on the TV is lit, the TV is in standby mode. Press ber buttons to switch

This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

Switching the TV on and off

Switching on

Depress © on the TV.

Switching off temporarily

Press & on the Remote Commander. The TV enters standby mode and the standby indicator on the front of the TV lights up. To switch on again

Press O. PROGR +/-, or one of the number buttons on the Remote Commander.

Switching off completely

Depress @ on the TV.

Selecting TV Programmes

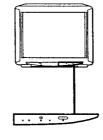
Press PROGR +/- or press number buttons.

To select a double-digit number

Press -/--, then the numbers. For example, if you want to choose 23, press -/--, 2 and 3.

Adjusting the Volume

Press ⊿ +/--.



Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can select programmes, adjust the volume, and select video input sources.

- Press P→ △ → button repeatedly until the programme number, △ (for volume), or ④ (for video input picture) appears. Then adjust with the -/+ buttons.
- Press -/+ buttons to switch on the TV from the standby mode.
- Press -/+ simultaneously to reset picture and sound controls to the factory preset level (RESET function).

Watching Teletext or Video Input

Watching teletext

- Press @ to view the teletext.
- Press three number buttons to select a page.
- Press one of the coloured buttons for fastext operation. Press @ (PAGE +) or @ (PAGE -) for the next or preceeding
- To go back to the normal TV picture, press C.

Watching a video input picture

Press Tepeatedly until the desired video input appears. To go back to the normal TV picture, press O.

More Convenient Functions

Use the Full-Function side of the Remote Commander.

Displaying the on screen indications

Press @ once to display all the indications. They will disappear

Press 3 twice to have the programme number and label stay on screen. Press twice again to make indications disappear.

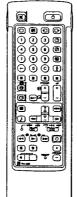
Muting the sound

To resume normal sound, press & again.

Displaying the time

Press . This function is available only when teletext is broad-

To make the time display disappear, press 20 again.



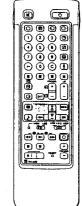
For details of the tele-

For details of the .

video input picture, refer to page 22.

text operation, refer to





If you have made a mistake Press ← to go back to the previous position.

5

To go back to the main menu Keep pressing ←

To go back to the normal TV picture Press MENU.

Note: HUE is only available for NTSC colour sys-tem and RESOLU-TION does not work for SECAM colour

Note on LINE OUT The audio level and the dual sound mode output from the G jack on the rear cor-respond to the Headphone VOLUME and DUAL SOUND set-

When watching video input proture You can selec: SOUND to chi

Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste. In addition, you can change the aspect ratio of the TV display for wide screen effect, or set the resolution to obtain a higher quality picture. You can also select dual sound (bilingual) programmes when available or adjust the sound for listening with the headphones.

Press (for picture) or \$\infty\$ (for sound) on the Remote Comman-

Press MENU and select »Picture Control« or »Sound Control«, then press OK.

The PICTURE CONTROL or SOUND CONTROL menu appears. (See Fig. 28 or Fig. 29.)

- 2 Using ∆ + or ∇ -, select the item you want to adjust and press OK. The selected item changes colour. (See Fig. 30.)
- Adjust the setting with Δ + or ∇ -- and press OK. The cursor appears beside the next item (at the left margin). (See Fig. 31.) For the effect of each control, see the table below.
- 4 Repeat steps 2 and 3 to adjust other items.



Fig. 28.



Fig. 29.

Brightness	
Flg. 30.	
C 42	
Brightness > Colour	

Effect of each control

PICTURE CONTROL	Effect		
Contrast	Less — Hore		
Brightness	Darker — Brighter		
Colour	Less — Hore		
Hue	Greenish — 1 — Reddish		
Sharpness	Softer Sharper		
Reset	Resets picture t	o the factory preset levels	
Format	4: 3: Normal	16: 9: Wide screen effect	
Resolution	Normal	high: Obtain a higher quality picture	

Resolution	Normal	high: Obtain a higher quality picture
SOUND CONTROL	Effect	
Volume	Less — More	
Trable	Less More	
Bass	Less — More	
Balance	Nore left N	fore right
Reset	Resets sound to t	the factory preset levels
Loudness	off: Normal	on: When listening to low volume sound
Space	off: Normal	on: Obtain acoustic sound effect
Dual Sound	A: left channel	B: right channel stereo mono
	The selected mod	de of The ACOB indicator on the TV lights up
		icasts see next page)
Headphones		
Volume	Less More	
Dual Sound	A: left channel	B: right channel stereo mono

Selecting Nicam Broadcasts*

This Sony TV has been designed to select Nicam broadcasts when available. Whenever a Nicam broadcast is received, »NICAM« appears briefly on the screen. When the Nicam programme ends, or you switch channels to one without Nicam, the A-O-B indicators, on the TV will switch off. Nicam programmes can be broadcast in two ways. You may select the sound you want to hear in either of these by first following the instructions explained on page 16.

Service Being Broadcast	Action	Effect	Indicat the TV	
Stereo	Press	Stereo Nicam (Mono 2-Channel)	₩	> +<
	Δ + or ∇ –	mono		
Press ∆ + or ∇ – ag	gain to return to stered	Nicam (mono 2-channel)		
Bilingual	press Δ + or ∇-	Channel A Nicam Channel B Nicam mono	*00	<u>₩</u> 0

^{*} Depending on availability of service.

PROGRAMME TABLE

To select a pro-gramme using this menu Select the programme number with $\Delta + \text{ or } \nabla - \text{ and press OK.}$ The selected programme appears.



To go back to the normal TV picture Press MENU.

To switch off the timer Select »OFF« in step 3.

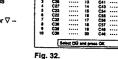
To check the remaining time Press ⊕

Using the Programme Table

On this table, you can see which channel is preset to which programme position. You can also select programmes using this

From the main menu, select *Programme Table* with Δ + or ∇ ~ and press OK. The PROGRAMME TABLE menu appears. (See Fig. 32.)

To scroll to higher programme numbers, press Δ -.



PROGRAMME TABLE

Using the Sleep Timer You can select a time period after which the TV automatically

switches into standby mode.

- From the main menu, select »Timer« with Δ + or ∇ and press The TIMER menu appears. (See Fig. 33.)
- 2 Press OK. The time period option changes colour.
- 3 Select the time period with △ + or ▽ -. The time period (in minutes) changes as follows: $10 \rightarrow 20 \rightarrow 30 \rightarrow 40 \rightarrow 50 \rightarrow 60 \rightarrow 70 \rightarrow 80 \rightarrow 90$
- After selecting the time period, press OK. The cursor moves back to the left margin and the timer starts One minute before the TV switches into standby mode, a message is displayed on the screen.



PROG CH LABES
11 G3 G41
12 G40
13 G41
14 G43
15 G54
16 G54
17 G54
18 G54

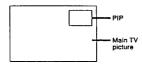
Fig. 33.

1-6. PIP (PICTURE-IN-PICTURE)



Note RGB input source

With this function you can display a »PIP screen» (small picture) within the main TV picture. In this way you can watch or monitor the video output from any connected equipment (for example from a VTR) while watching TV or vice versa. For information about connection of other equipment, refer to page 21.



Switching PIP on and off

Press Co.

The PIP screen will be displayed. The PIP picture will come from the source chosen when the TV was last used.

To switch PIP off Press C again.

Selecting a PIP source

Press 1.

The symbol I will be displayed at the bottom, left-hand corner of the screen.

Press @ repeatedly until the desired source is indicated (e.g. TV. AV 1, AV 2, YC2, AV 3, YC3, AV 4, YC 4).

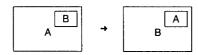
Note

If no video source has been connected, the PIP picture will be

Swapping screens

Press 2:

The main screen will switch the picture with the PIP screen



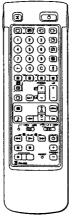
If a TV programme is on the PIP screen and a video source on the main picture, and you want to change channels, first press I and then the programme buttons or PROGR +/-.

Changing the position of the PIP

Press @ repeatedly to change the position of the PIP screen within the main screen. There are four different positions avai-



1-7. TELETEXT



Note Teletext errors may occur if the broadcasting signals are

With the simple side of the Remote Commander You can switch teletext on and off, onerate Fastext, and directly select page numbers.

Note Fastext operation is only possible, if the TV station broadcasts Fastext signals.

18

TV stations broadcast an information service called Teletext via the TV channels. Teletext service allows you to receive various information pages such as weather reports or news at any time you want. For advanced teletext operation, use the buttons on the Full-Function side of the Remote Commander.

Direct Access Functions

Switching Teletext on and off

- Select the TV channel which carries the teletext broadcast you want to watch.
- 2 Press @ to switch on teletext.

A teletext page will be displayed (usually the index page).

If there is no teletext broadcast, "No text available" is displayed. on the information line of the screen.

To switch teletext off Press O.

Selecting a teletext page

With direct page selection Use the number buttons to input the three digits of the chosen page number.

If you have made a mistake, type in any three digits. Then re-enter the correct page number.

- With page-catching Select a teletext page with a page overview (e.g. index page).
- 2 Press twice. »Page catching« will be displayed on the information line. The last digit if the first displayed page number fla-
- 3 Using ∆ + o ∇ –, select the desired page and press OK. The requested page will appear in a few seconds.

Accessing next or preceding page Press @ (PAGE +) or @ (PAGE -) The next or preceding page appears.

Superimposing the teletext display on the TV programme

- Press @ once in teletext mode or twice in TV mode.
- Press @ again to resume normal teletext reception.

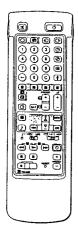
Preventing a teletext page from being updated

- Press @ (HOLD). The HOLD symbol @ displayed on the information line.
- Press (a) to resume normal teletext reception.

Using Fastext

With Fastext you can access pages with one key stroke. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote Commander

Press the corresponding coloured button on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed after some seconds.



Some of the features may not be available depending on the Teletext service.

Using the Teletext Menu

This TV is provided with a menu-guided teletext system. When teletext is switched in, you can use the menu buttons to operate the teletext menu. Select the teletext menu functions in the following way:

- 1 Press MENU. The menu will be superimposed on the teletext display. (See Fig. 34.)
- 2 Using \triangle + o ∇ -, select the teletext function you want and press OK. (See Fig. 35.)

USER PAGES/PRESET USER PAGES

See page 20 for information about presetting and operating the user pages.

INDEX

The index will give you an overview of the contents of the teletext and the page numbers.

TOP/BOTTOM/FULL

For convenient reading of a teletext page, you can enlarge the teletext display. After having selected the function, an information line TOP/BOTTOM/FULL will be displayed. (See Fig. 36.)

Press Δ + for » Top» to enlarge the upper half, ∇ – for »Bottom» to enlarge the lower one and OK for »Full» to resume the normal size.

Press @ to resume normal teletext reception.

TEXT CLEAR

After having selected the function, you can watch a TV programme while waiting for a teletext page to be displayed. (See Fig. 37.)

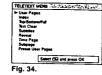
Press @ to resume normal teletext mode.

REVEAL

Sometimes pages contain concealed information, such as answers to a quiz. The reveal option lets you disclose the information. After having selected the function, an information line -REVEAL ON/OFF= will be displayed. (See Fig. 38.)

Using Δ + or ∇ –, select ON to reveal the information or OFF to conceal it again.

Press @ to resume normal teletext reception.



To cancel the

Select +OFF+ for the

If two broadcasting

stations use the

bank to 2 different

programme positions.

same Teletext You can preset one

SUBPAGE setting and

request

press OK.

TELETAT MEDIU

User Pages
Index
Des Settom Field
But Clear
But Clear
Reveal
There Page
Redough
Refered
Settom Field
Settom Field
Settom Settom Settom Field
Settom Setto

Flg. 35.



ig. 36.



Flg. 37.



Fig. 38.

SUBPAGE

You may want to select a particular teletext page from several subpages which are rotated automatically. If you want to select one subpage, follow the operations below:

- 1 Using ∆ + or ∇ -, select ON for the SUBPAGE setting and press OK
- 2 To select the desired subpage, enter four digits using PROGR +/- or the number buttons. (e.g. enter 0002 for the second page of a sequence).

User Page Bank System

You can store up to 30 pages in the »Teletext page bank system». In this way you have quick access to the pages you watch frequently.

Storing pages

There are 5 *banks* (A to E) for 5 teletext stations. In each bank you can store 6 preferred pages (1P to 6P).

- Press (if Teletext is not on already) and MENU to show the TELETEXT MENU display.
- 2 Select PRESET USER PAGES with Δ + or ∇ and press OK.
- 3 Select the desired bank with ∆ + or ∇ -- and press OK. The cursor will go to the first position (P1) of the preferred pages.
- Input the three digits of your first preferred page with the number buttons and press OK. The cursor will go to the second position.
- 5 Repeat step 4 for the other 5 page numbers you want to preset. If you do not want to preset all 6 page numbers available, press OK without inserting any number.
- 6 Select »Allocate Bank« with Δ + or ∇ and press OK.
- 7 Select the programme position for which you have preset pages with ∆ + or ∇ and press OK. (See Fig. 39).
- 8 Select the desired bank with ∆ + or ∇ -- (Banks A to E are available) and press OK.
- 9 Repeat steps 3 to 8 for the other 4 banks available.

Displaying User Pages

- 1 Select MENU.
- 2 Select "USER PAGES" with ∆ + or ∇ and press OK. A table of the stored preferred pages will be displayed. (See Fig. 40.)
- 3 Select the desired page with ∆ + o ∇ and press OK. The page will be displayed after some seconds.



Fig. 39.



Flg. 40.

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1-8. CONNECTING AND OPERATING OPTIONAL EQUIPMENT

Connecting Optional Equipment

You can connect optional audio-video equipment to this TV such as VTRs, video disc players, and stereo systems.

using the "IT terminal Connect the aerial cutput of the VTR to the aerial terminal "IT" of the TV. We recommend that you tune in the video signal to programme number "0". For details see "Preset channels manually"

To connect a VTR

If the picture or the sound is distorted Move the VTR away from the TV.

Note:

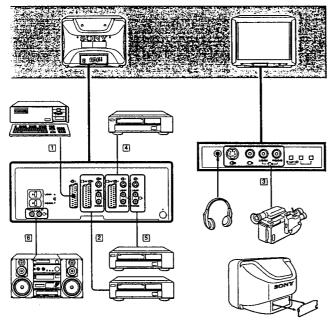
on page 9.

After having connected all optional equipment to the TV, attach the supplied cover onto the rear panel (See illustration at the right)

Input)
Video signals may be separated into Y
Video signals may be separated into Y
(luminance or brightness) and C (chrominance) signals. Separating the Y and C signals prevents them from interfering with one another, and therefore improves picture quality (especially luminance). This TV is equipped with 3 S Video input jacks throught which these separated signals can be input

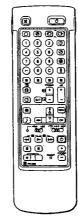
S video input (Y/C

When connecting a monaural VTR Connect only the white ⊕ jack to both the TV and VTR.



Acceptable input signal	Available output signal
Normal audio/video and RGB signal	Video/audio from TV tuner
2 Normal audio/video and S video signal	Video/audio from selected source
3 Normal audio/video and S video signal	No outputs
4 Normal audio/video and S video signal	Video/audio displayed on TV screen (monitor out)
[5] No inputs	S video/audio signal displayed on TV screen (monitor out)
6 No inputs	Audio signal (variable)

Selecting input with PROGR +/- or number buttons. You can preset video input sources to the programme positions so that you can select them with PROGR +/- or number buttons. For details, see -Preset channels manually- or page 9.



Selecting input and output

This section explains how to view the video input picture (of the video source connected to your TV), and how to select the output signal using direct access buttons or the menu system.

Selecting input

Press © repeatedly to select the input source.

The symbol of the selected input source will appear.

To go back to the normal TV picture

Press O.

Input modes

Symbol	Input signal	
⊕ 1	Audio/video input through the -8 1 connector	
-ō	RGB input through the -8 1 connector	
⊕ 2	Audio/video input through the 2/ 2 connector	
⊕ 2	S video input through the @ 2/ @ 2 or @ 2 connector	
⊕ 3	Audio/video input through ⊕ 3 and ⊕ on the front	
⊕ 3	S video input through the @ 3 connectors on the frontv (4-pin connector)	
⊕4.	Audio/video input through the G+ 4/G 4 connector	
€3 4	S video input through the @ 4/@ 4 or @ 4 connector (4-pin connector)	

⊕1

1 G+

You can also select the input mode using the $P \rightarrow \Delta \rightarrow \Theta$ and -/+ buttons on the TV.

In this case, first select ⊕, and then press —/+ buttons to select the input.

Selecting the output

The 3 2/3 2 connector outputs the source input from the other connectors.

Press (3+ repeatedly to select the output.
The symbol of the selected output source appears.

Output modes

Symbol G• 2/⊕ 2 connector outputs	
1 🕒	The audio/video signal from the 1 connector
2 🕒	The audio/video signal from the @ 2/@ 2 connector
2 €	The audio/S video signal from the G+ 2/- connector
3 🕒	The audio/video signal from the ⊕ 3 e ⊕ 3 connectors
3 🕒	The audio/S video signal from the
4 C+	The audio/video signal from the 3 4/6 4 connector
4 🖼	The audio/S video signal from the G+ 4/ € 4 connector
₩œ	The audio/video signal from the T aerial terminal

Checking and selecting the input and output sources using the menu

You can display the menu to see which input sources are selected for the TV screen and PIP screen, and which output source is selected. You can also select them on the menu display.

- 1 Select *Video Connection* with \(\Delta \times \times \) and press OK. The VIDEO CONNECTION menu appears. (See Fig. 41). You can see which source is selected for the TV and PIP input, and for the output. If you want to select the input and output on this menu, go on to the next step.
- 2 Select TV screen (input source for the TV screen), PIP (input source for the PIP screen), or Output (output source) with ∆ + or ∇ and press OK. One of the source items changes colour. (See Fig. 42.)
- 3 Select the desired source with △ + o ▽ -. (See Fig. 43.) For details about each source, see the table on page 22.
- 4 Press OK. The selected source is confirmed, and the cursor appears. (See Fig. 44.)
- 5 Repeat steps 2 to 4 to select the source for other inputs or outputs.



Fig. 41.



•



Flg. 43.



Fig. 44.

Remote Control of Other Equipment

You can use the TV Remote Commander to control other remote-controlled equipment. The buttons for video operation have been factory-set to control most of Sony video equipment, such as: Beta, 8mm or VHS VTRs or video disc players.

Additionally you can programme these buttons to control also audio and video equipment of other manufacturers.

Tuning the Remote Commander to Sony equipment

- 1 Set the VTR 1/2/3 MDP selector according to the equipment you want to control:
 - VTR 1: Beta or ED Beta VTR
- VTR 2: 8mm VTR VTR 3: VHS VTR

(B)

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0000

0 0 0 0

ŎŎŎ® ⊝Ō©Œ

When recording When you use the

(record) button, make

sure to press this button and the one to the

right of it simulta

 Do not move the Remote Commanders

 After programming, check to see if all the programmed functions work. It may

be the case, that a

function cannot be programmed.

• When you want to

video equipment Make sure that the

selector is set to the

ing programming.

• When you replace the

Remote Commander batteries, the programmed functions

remain stored for 30

tery.

• When the memory of

the programmable Remote Commander

is full, the MEM indicator lights up.

position you used dur-

VTR 1/2/3 MDP

operate the audio or

during programming.

- MDP: Video disc player
- 2 Use the buttons indicated in the illustration to operate the additional equipment. If your video equipment is furnished with a COMMAND MODE selector set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander. If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.

Tuning the Remote Commander to audio or video equipment of other manufacturers

Your TV Remote Commander is a programmable Remote Commander. This means that you can programme the buttons indicated in the illustration with functions of other Remote Commanders. A function can be stored on any of the buttons and on all four levels of the VTR 1/2/3 MDP selector.

Programming a function

- 1 Set the MEM/USE switch to MEM (memorize).
- 2 Set the VTR 1/2/3 MDP selector to the desired position.
- 3 Position the two Commanders head to head (see illustration)
- 4 First press the button on the TV Remote Commander onto which you want to programme a function. Now the MEM indicator on the Remote Commander lights up.
- Then press the button on the other Remote Commander, the function of which you want to programme. As soon as the MEM indicator goes out, the function is stored.
- 6 Repeat steps 4 and 5 for all other functions you want to programme. When you have programmed all buttons on one level of the VTR 1/2/3 MDP selector, select another level.
- 7 When you have finished programming, set the MEM/USE switch to USE.

Clearing programmed functions

- 1 Set the MEM/USE switch to MEM.
- 2 Set the VTR 1/2/3 selector to the level of functions you want to clear.
- 3 Press any of the programmable buttons. Now the MEM indicator lights up.
- 4 Keep the RESET button pressed, using the tip of a pen, until the MEM indicator has flashed four times. Now all programmed functions on this level are cleared.
- 5 Reset the MEM/USE switch to USE.

1-9. FOR YOUR INFORMATION

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

Sol	utlon	
(screen is dark), no sound Plu	g the TV in.	
• Pre	ss ⊕ on the TV. (If ⊕ indicator is on, press ⊖ or a programme number the Remote Commander.)	
• Chr	eck the aerial connection.	
• Che	eck if the selected video source is on.	
• Tur	n the TV off for 3 or 4 seconds and then turn it on again using Φ .	
	 Press to enter the PICTURE CONTROL menu and adjust *Brightness »Contrast* and *Colour*. 	
ure but no sound • Pre	95\$ ⊿+.	
	k is displayed on the screen, press ≰.	
	 Press to enter the PICTURE CONTROL menu, select "Reset", then press OK. 	
ommando, dede mentement	The batteries are weak. Set the MEM/USE switch to USE.	
ommando, dede mentement		

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

Television Channel Number Guide

Only the main transmitters are listed. Information regarding the regional sub-relay channel numbers can be obtained by contacting
The BBC Engineering Information Dept. (081) 752 5040.

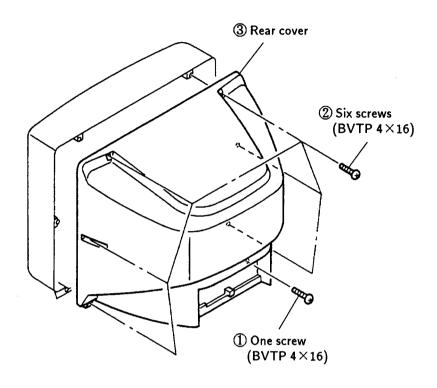
MAIN TRANSMITTERS	BBC1	BBC2	ITV	CH4
London & South East				
Bluebell Hill	40	46	43	65
Crystal Palace	26	33	23	30
Dover	50	56	66	53
Heathfield	49	52	64	67
Oxford	57	63	60	53
South-West			60	£2
Beacon Hill	57	63	60 25	53 32
Caradon Hill	22	28	25 59	65
Huntshaw Cross	55 51	62 44	59 41	47
Redruth Stockland Hill	33	26	23	29
Stockland Hill Channel Islands	33	20	2.5	
Fremont Point	51	44	41	47
South		• • •		
Hannington	39	45	42	66
Midhurst	61	55	58	68
Rowridge	31	24	27	21
West				
Mendip	58	84	61	54
East				•
Sandy Heath	31	27	24	21
Sudbury	51	44	41	47
Tacoineston	62	55	59	65
Midlands	22	28	25	32
Ridge Hill	22 46	28 40	43	50
Sutton Coldfield The Wrekin	46 26	33	23	29
Vakham	26 56	64	61	54
Northern Ireland	50	•	٠.	• ,
Brougher Mountain	22	28	25	32
Divis	31	27	24	21
Limayady	55	62	59	65
North		•		
Belmont	22	29	25	32
Emley Moor	44	51	47	41
North-West				
Winter Hill	55	62	59	65
Douglas (IOM)	68	66	48	56
North-East	33	26	29	23
Bilsdale West Moor	33 30	26 34	29 28	23 32
Caldbeck Chatton	39	34 45	28 49	42
Pontop Pike	56	64	61	54
Laxey (IOM)	58	64	61	54
Scotland	-	•		
Angus	57	63	60	53
Black Hill	40	46	43	50
Sandale	22	-	-	_
Caldbeck	-	34	28	32
Craigkelly	31	27	24	21
Darvel-	33	26	23	29
Durris	22	28	25	32
Eitshal	33	26	23	29
Keelylang Hill	40	46	43	50
Knock More	33	26	23	29
Rosemarkie	39	45	49	42
Rumster Forest	31	27	24	21
Selkirk Wales	55	62	59	65
	31	27	24	21
Blaenplwyf Carmel	57	63	60	53
Llanddona	57 57	63	60	53 53
Moel-y-Parc	52	45	49	42
Presely	46	40	43	50
Wenvoe	44	51	41	47

-5

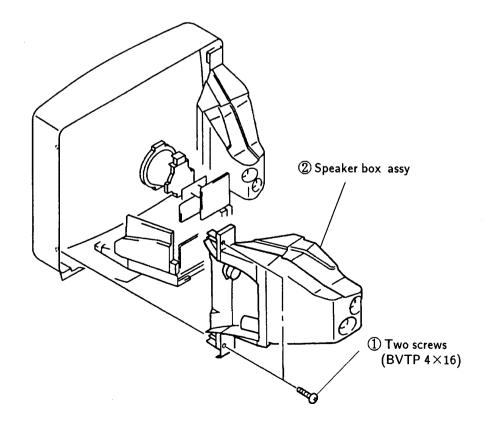
25

SECTION 2 DISASSEMBLY

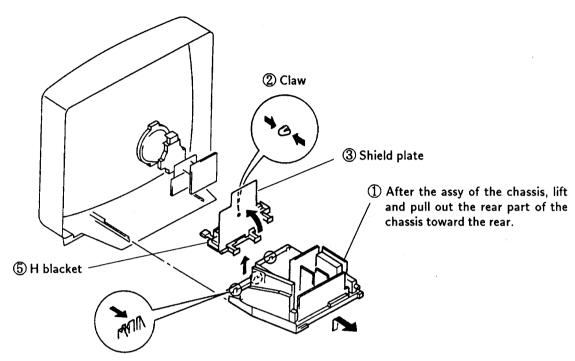
2-1. REAR COVER REMOVAL



2-2. SPEAKER REMOVAL



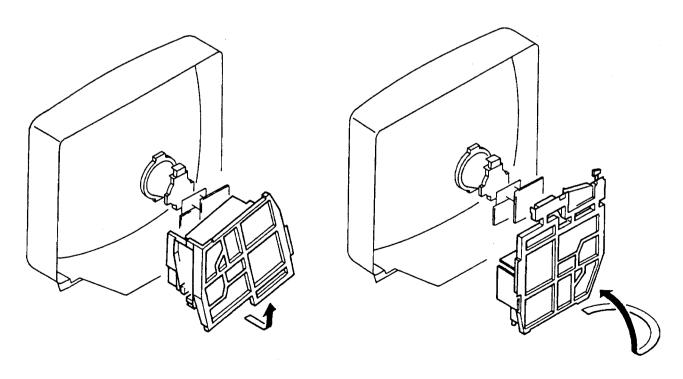
2-3. CHASSIS ASSY REMOVAL



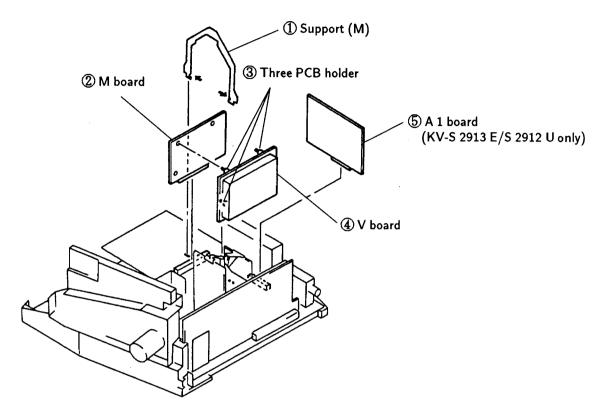
4 Push the three claws of the chassis in the direction of the arrow and remove the H bracket upwards.

2-4. SERVICE POSITION

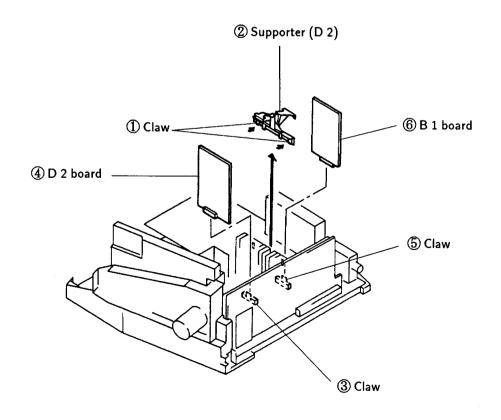
Remove the H bracket from the chassis assy and then perform the following servicing. (Refer to 2-3. CHASSIS ASSY REMOVAL)



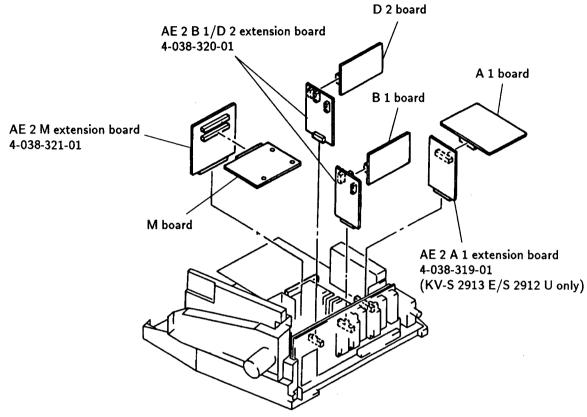
2-5. M, V AND A 1 BOARDS REMOVAL



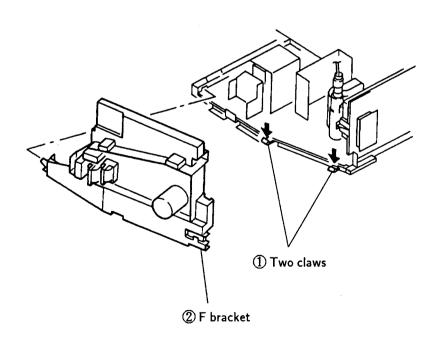
2-6. D 2 AND B 1 BOARDS REMOVAL



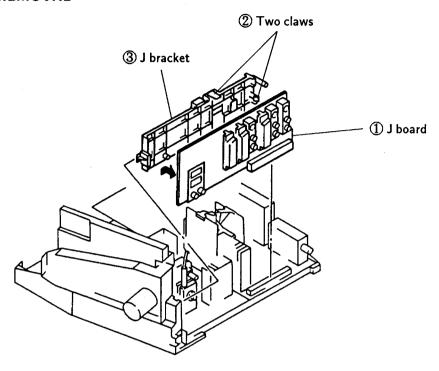
2-7. EXTENSION BOARD



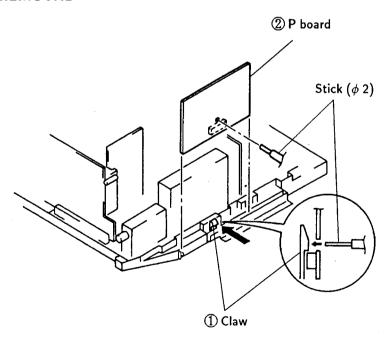
2-8. F BRACKET REMOVAL



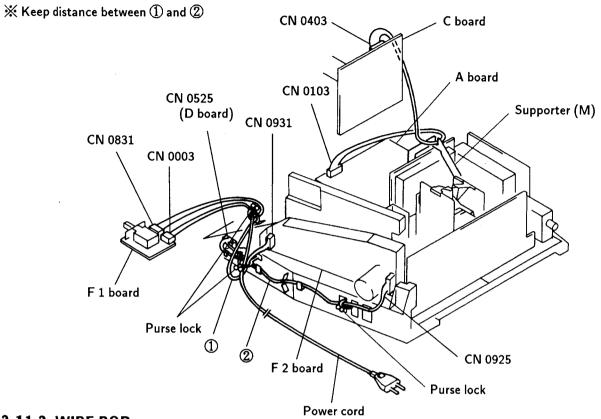
2-9. J BOARD REMOVAL



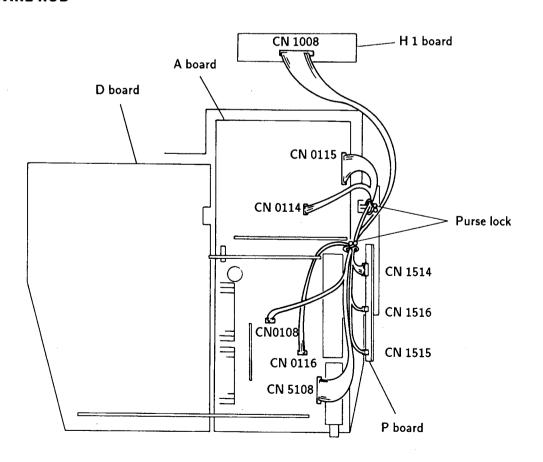
2-10. P BOARD REMOVAL



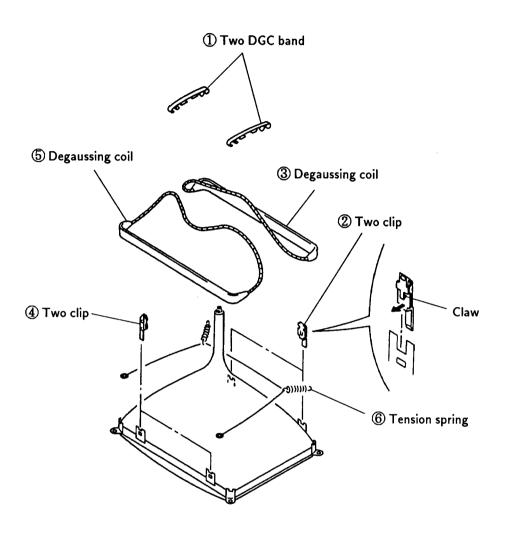
2-11-1. WIRE ROD



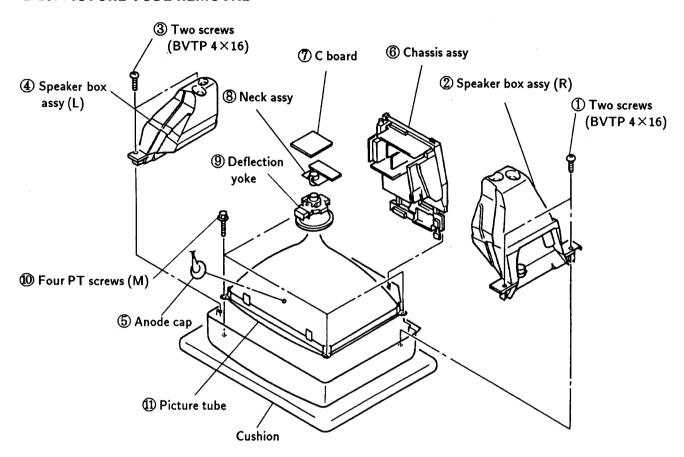
2-11-2. WIRE ROD



2-12. DEGAUSSING COIL REMOVAL



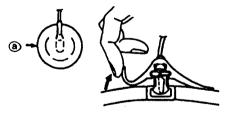
2-13. PICTURE TUBE REMOVAL

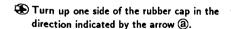


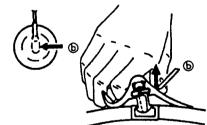
REMOVAL OF ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT chield or carbon painted on the CRT, after removing the anode.

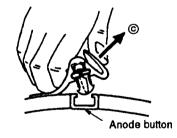
• REMOVING PROCEDURES







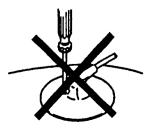
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑥.

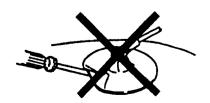


When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (©).

HOW TO HANDLE AN ANODE-CAP

- Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
 - A material fitting called as shatter-hook terminal is built in the rubber.
- Oon't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there is specific instruction to the contrary, carry out these adjustments with the rated power supply.
- Unless there is specific instruction to the contrary, set the controls and switches this way:
 - Contrast 80% (or remote control normal)

☼ Brightness · · · · 50%

Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

- 1. Input the white signal with the pattern generator. Contrast normal Brightness ,
- 2. Position neck assy as shown in Fig.3-2.
- 3. Set the pattern generator raster signal to red.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side. (See Fig.3-1 - 3-3)
- 5. Move the deflection yoke forward and adjust so that entire screen is red. (See Fig.3-1)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- 7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it. (See Fig.3-4)

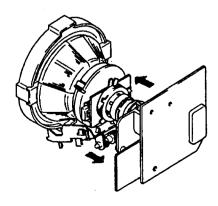
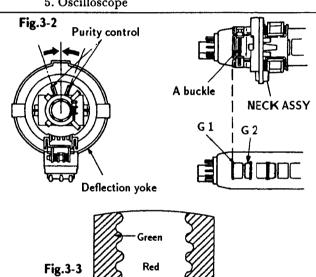


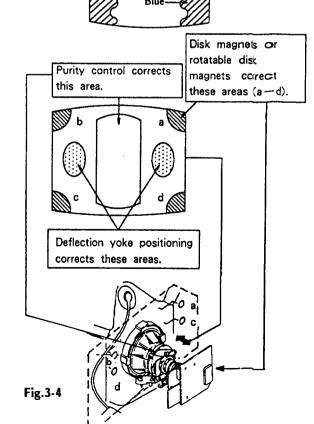
Fig.3-1

- Carry out the following adjustments in this order:
- 1. Beam landing
- 2. Convergence
- 3. Focus
- 4. White balance

Note: Testing equipment required.

- 1. Color bar/pattern generator
- 2. Degausser
- 3. DC power supply
- 4. Digital multimeter
- 5. Oscilloscope



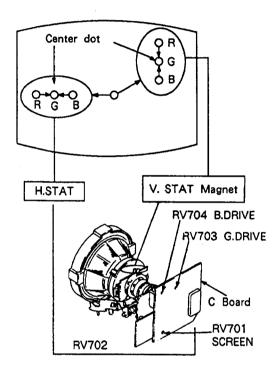


3-2. CONVERGENCE

Preparations:

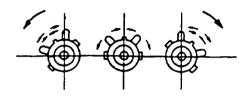
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and vertical static convergence

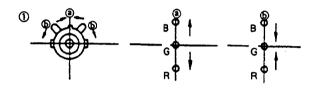


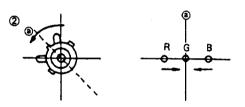
- 1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.
 (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

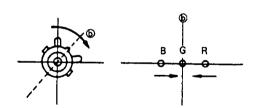
● Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

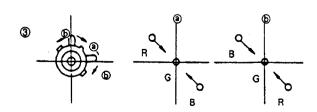


4. If the V.STAT magnet is moved in the direction of the and arrows, the red, green, and blue points move as shown below.

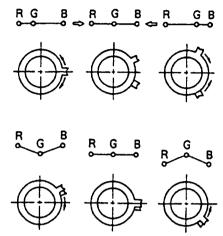








• Operation of BMC (Hexapole) Magnet



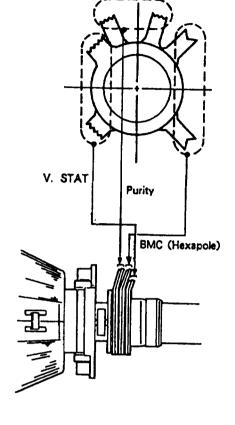
 The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.

Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

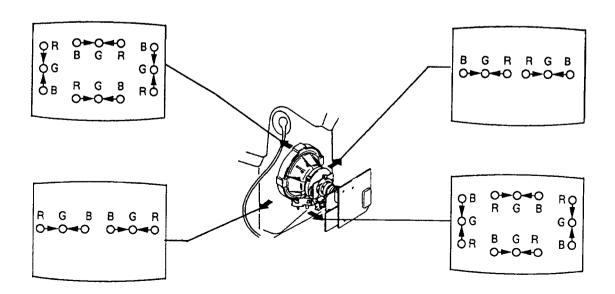


Preparations:

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
- 1. Slightly loosen the deflection yoke screws.



- 2. Remove the deflection yoke spacer.
- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the deflection yoke spacer.

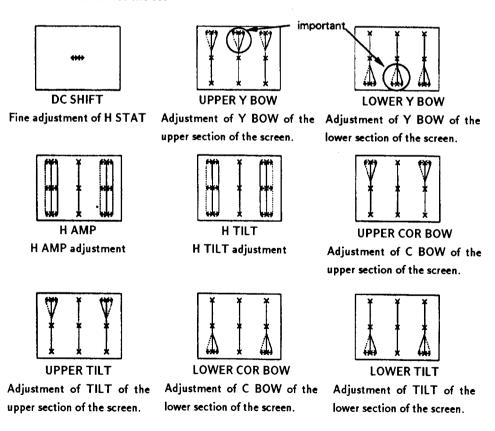


(2) Dynamic convergence adjustment

- 1. Adjust horizontal convergence located at the center position of the screen with H STAT VR.
- Enter into service mode. (Refer to the section 2
 "Electrical Adjustment" on how to enter service
 mode.)
- 3. Select CXA 1526 on menu.
- 4. Select each item and adjust them so that each item attains optimal convergence.
- 5. Press OK button to write the data.

CXA 1526		
1	DC SHIFT	(32)
2	UPPER Y BOW	(4)
3	LOWER Y BOW	(5)
4	Н АМР	(48)
5	H TILT	(29)
6	UPPER COR BOW	(32)
7	UPPER TILT	
8	LOWER COR BOW	(32)
9	LOWER TILT	(32)

R.G.B.dots movement on the screen of the set

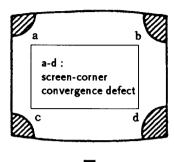


At this time, H.TILT, H.AMP, UPPER TILT, UPPER COR, BOW, LOWER TILT, and LOWER COR, BOW look like all the same, but the movement of the

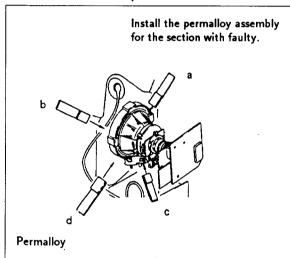
right and left dots are reverse in all the TILT system. (Pay attention to the dotted lines.)

(4) Screen corner convergence

If you cannot adjust corner convergence properly, correct them with permalloy.

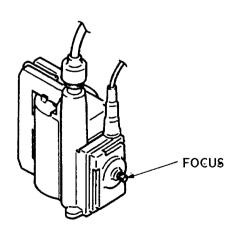






3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

Screen G2 Setting

- 1. Input the dot signal from the pattern generator.
- 2. Set the picture brightness control to its lowest level.
- 3. Apply 180V DC to the R,G, and B cathodes with an external power supply.
- While watching the picture, adjust G 2 control RV 701 (Screen) to the point just before the return lines disappear.

White balance adjustment

- 1. Receive all-white signal.
- Enter into service mode. (Refer to the section 4
 "Electrical Adjustment" to how to enter service
 mode.)
- 3. Select CXA 1587 on menu.

09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.

- 4. Set picture to MAX.
- 5. Adjust G-DRIVE B-DRIVE with $\boxed{1}$, $\boxed{2}$ buttons so that the white balance becomes optimum.
- 6. Press OK button to write the data for each ite m.
- 7. Set picture to MIN.
- 8. Adjust G-AUTO CUT OFF, B-AUTO CUT OFF, R
 -MANUAL CUT OFF, G-MANUAL CUT OFF and
 B-MANUAL CUT OFF with ♣ buttons so
 that the white balance becomes optimum.
- 9. Press OK button to write the data for each ite m.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-832.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set while pressing any two buttons on the front panel.

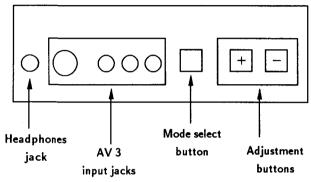
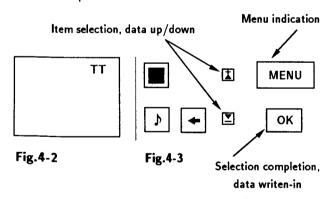


Fig.4-1

2. "TT" will appear on the upper right corner of the screen.

Command operation in service mode



3. Press the MENU button of the commander to get the menu on screen.

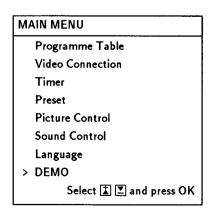


Fig.4-4

- 4. Press the
 ☐ and ☐ buttons of the commander and move > to DEMO.
- 5. Press OK button to proceed to the next menu.
- 6. The menu of fig.4-5 will appear on screen. Select DEVICE corresponding to the adjustment item from the table on next page.

DEVICES
Initialize
> CXA 1587
CXD 2018
TDA 9145
CXA 1526
TDA 6612
CX 7948 A
P/P SERVICE
Select 🏖 🗷 and press OK

Fig.4-5

7. If adjustment item is CXA 1587, press the

□ button and move > to CXA 1587.

CXA 1587

L	Item No.	Adjustment item	Data Amout
ſ	01	PICTURE	53
	02	COLOR	31
	03	BRIGHT	31
	04	HUE	31
	05	SHARPNESS	7
	06	RGB PICTURE	13
	07	SUB CONTRAST	ADJ.
	08	SUB COLOR	ADJ.
	09	SUB BRIGHT	ADJ.
Ī	10	SUB HUE	7
ſ	11	VM LEVEL	2
	12	NR LEVEL	0
	13	ABL MODE	0
Ī	14	G-DRIVE	ADJ.
	15	B-DRIVE	ADJ.

- 8. Press OK button to get the next selection menu.
- 9. Press ∑ button and move > to the adjustment item and press OK button.
- 10. Press the **∑** and **∑** buttons to change the data in order to comply each standard.
- 11. Press OK button to write data.
- 12. Turn off the power to quit service mode when completing the adjustment.

CXA 1587

01	PICTURE	53
02	COLOR	31
03	BRIGHT	31
04	HUE	31
05	SHARPNESS	7
06	RGB PICTURE	13
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.
21	GAMMA LEVEL	0
22	DC TRANSFER RATIO	3
23	DINAMIC PICTURE	0
24	Y FILTER ADJ	ADJ.
25	Y DELAY TIME	15
26	Y DELAY SWITCH 1	0
27	Y DELAY SWITCH 2	. 1
28	SHARPNESS LIMIT	ON
29	ALL BLK	OFF
30	H SHIFT	32
31	DAC TEST	ON
32	PRE/OVER SHOOT	7
33	SHARPNESS FO	2
34	SUB SHARPNESS	3
35	R MUTE	OFF
36	G MUTE	OFF
37	B MUTE	OFF

CXA 1526

1	DC SHIFT	32
2	UPPER Y BOW	4
3	LOWER Y BOW	5
4	H.AMP	48
5	H TILT	29
6	UPPER COR BOW	32
7	UPPER TILT	32
8	LOWER COR BOW	32
9	LOWER TILT	32

38	AGING 1	OFF
39	AGING 2	OFF
40	AKB OFF	ON
41	INHIBIT RGB	OFF
42	FORCED RGB	OFF
43	V/2 V	OFF
44	AXIS	PAL
45	HUE SW	OFF
46	V EXTENTION	OFF
47	AFC 1	1
48	AFC 2	0
49	AFC OFF	ON
50	REF.POSITION	0

CXD 2018

CAD 2010			
01	V SIZE	ADJ.	
02	V SHIFT	ADJ.	
03	S CORRECTION	ADJ.	
04	V LINEARITY	ADJ.	
05	H SIZE	ADJ.	
06	PIN AMP	ADJ.	
07	TILT	ADJ.	
08	UPPER CORNER	ADJ.	
09	LOWER CORNER	ADJ.	
10	V BOW	ADJ.	
11	ANGLE	ADJ.	
12	HV COMP.V	13	
13	HV COMP.H	8	
14	FRAME SHIFT	OFF	
15	FREE RUN 60 Hz	OFF	
16	SYSTEM 60 Hz	OFF	
17	ASPECT WIDE	OFF	
18	DOUBLE SCAN	OFF	
19	INTERLACE	ON	
20	H SHIFT	32	
21	N/S CORRECTION	ADJ.	

Typical Value (OSD based)when receiving PAL Philips pattern.

TDA 6612

Stereo-Separation	30

Should be adjusted twice 4:3 and 16:9 mode.

Y FILTER ADJUSTMENT

- 1. Input PAL RED pattern.
- 2. Connect an oscilloscope to CN 0403 ① pin (R OUT) on the C board.
- 3. Enter into service mode and press 3, 8.
- 4. Adjust data by \triangle or ∇ to minimize the chroma element of CN 0403 1 pin.

SUB BRIGHTNESS ADJUSTMENT

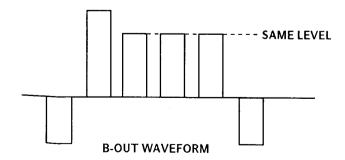
- 1. Input Phillips pattern.
- 2. Enter into service mode and press 23.
- Adjust data so that 0-IRE of the grey scale and CUT
 -OFF 20-IRE glitter slightly.

SUB CONTRAST ADJUSTMENT

- 1. Input a video that contains small 100% area on the Black Back ground.
- 2. Enter into service mode and press 01 to have PIC max followed by 21.
- 3. Adjust data so that 2.5 Vp-p can be obtained at ① CN 0403 (R out).

SUB COLOR ADJUSTMENT

- 1. Input PAL color bar.
- 2. Connect an oscilloscope to CN 0403 ③ pin (B OUT) on the C board.
- 3. Enter into service mode and press 22 of CXA 1587, 8 SUB COLOR.
- 4. Adjust data so that the right sides of the waveform will be the same.



STEREO-SEPARATION ADJUSTMENT

- 1. Input 1 kHz stereo signal to the L-ch and 400 Hz stereo signal to the R-ch.
- 2. Enter into service mode and press 19.
- 3. Adjust data so that sound does not leak to the R-ch and the L-ch.

DRIVE AND CUT OFF

See direct test mode list attached and refer to sub brightness or such for adjustment method.

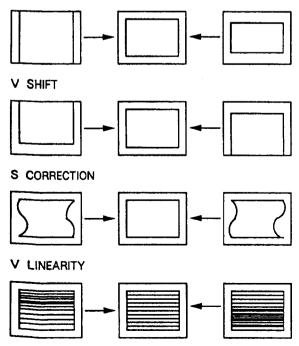
DEFLECTION SYSTEM ADJUSTMENT

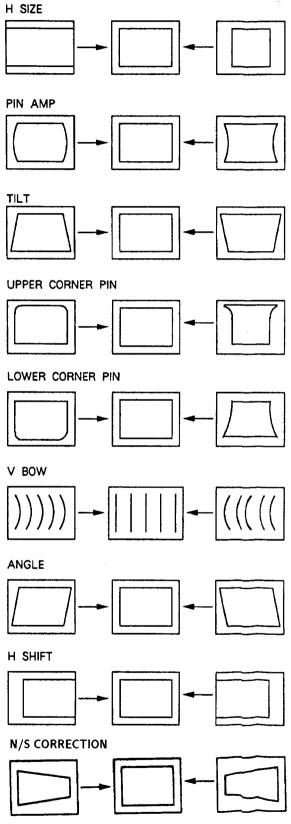
- 1. Enter into service mode and select CXD 2018.
- 2. Select and adjust each item in order to get an optimum image.

CXD 2018

G/15 2010				
01	V SIZE	ADJ.		
02	V SHIFT	ADJ.		
03	S CORRECTION	ADJ.		
04	V LINEARITY ADJ.			
05	H SIZE	ADJ.		
06	PIN AMP	ADJ.		
07	TILT	ADJ.		
08	UPPER CORNER	ADJ.		
09	LOWER CORNER	ADJ.		
10	V BOW	ADJ.		
11	ANGLE	ADJ.		
12	HV COMP.V	13		
13	HV COMP.H	8		
14	FRAME SHIFT	OFF		
15	FREE RUN 60 Hz	OFF		
16	SYSTEM 60 Hz	OFF		
17	ASPECT WIDE	OFF		
18	DOUBLE SCAM	OFF		
19	NON INTERLACE	ON		
20	H SHIFT	32		
21	N/S CORRECTION	ADJ.		







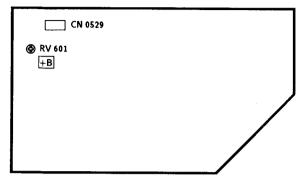
3. PressOK button to write the data.

If menu display may disturb the adjustment pr ess of to clear, to resume it, press of again.

4-2. VOLUME ELECTRICAL ADJUSTMENTS

+B (+135 V) ADJUSTMENT (RV 601)

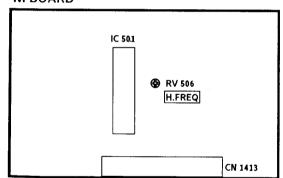
D BOARD



- 1. Turn on the power of the TV set.
- 2. Connect a digital multi-meter to ① pin of CN 0529 on D board.
- 3. Adjust RV 601 on D board to $+135\pm0.5$ V.

H.FREQ ADJUSTMENT (RV 506)

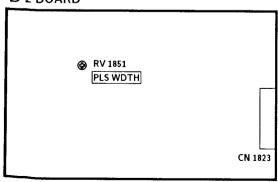
M BOARD



- 1. Connect GND to 12 pin of IC 501 on M board.
- 2. Connect a frequency counter to 4 pin of IC 501.
- 3. Adjust RV 506 on M board to $15,625 \text{ kHz} \pm 10 \text{ Hz}$.
- 4. Remove @ pin of IC 501 from GND.

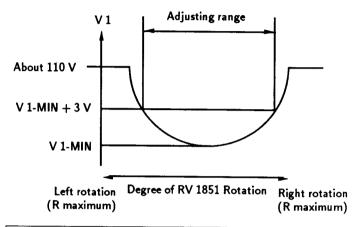
PLS WDTH

D 2 BOARD



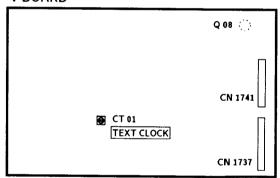
DRIVE PULSE PHASE ADJUSTMENT(RV 1851)

While measuring the voltage V 1 at both edges of C 1859, rotate RV 1851 so that it becomes minimum.
 The adjusting range is from (the voltage at which V 1 becomes minimum) V 1 MIN to 3 V, which means, adjust to between V 1 MIN to V 1 MIN + 3 V.



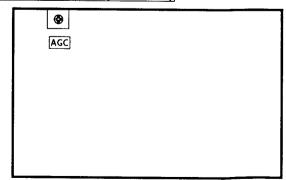
TEXT CLOCK ADJUSTMENT (CT 01)

V BOARD



- 1. Get TEXT MENU on screen.
- 2. Connect GND and the base of Q 08 on V board.
- 3. Adjust CT 01 on V board so that the MENU stands still as much as possible.

AGC ADJUSTMENT (IF BLOCK)



- 1. Receive off-air signal.
- 2. Adjust AGC VR so that there is no snow noise and cross-modulation.
- 3. Change receiving channel and confirm status.

4-3, TEST MODE 2:

Is available by pressing Test button two times, OSD "TT" appears. The functions described bellow are available by pressing the two numbers. To release the Test Mode 2, press two times 0, or switch TV in Standby Mode.

00	switch Test Mode 2 off			
01	picture maximum			
02	picture minimum			
03	Volume 35%			
04	Volume 50%			
05	Volume 65%			
06	Volume 80%			
07	Aging Condition (Volumin., Picture max., Brightness			
	max., Aging 2 Mode of CXA 1587, TDA 2595 is			
	locked to CXA 1587 via PIN 34 of μ -Con.)			
08	Shipping Condition (Analog Values are RESET due			
	to factory setting, Prog 1 is selected, TT Mode is			
	switched off)			
09	dummy			
10	Tenth entry is deleted			
11	Balance			
12	Hue			
13-14	dummy			
15	Read factory setting from NVM			
	Reads Volume, Balance, Treble, Bass, Brightness,			
	Contrast, Hue, Sharpness, Colour values from ROM			
	to the actual used values (Last Power Memory)			
16	Save actual used values as RESET values			
	Memorize actual used values Balance, Treble, Bass			
	Hue, Sharpness at RESET position in NVM			
17	Preset Lavel for AV Sources			
18	dummy			
19	Stereo Seperation			
20	Tenth entry is deleted			
21	Sub Contrast			
22	Sub Colour			
23	Sub Brightness			
24-29	dummy			

30	Tenth entry is deleted		
31	Green Drive		
32	Blue Drive		
33	Green Cut Off (Auto Cut Off)		
34	Blue Cut Off (Auto Cut Off)		
35	Red Cut Off (Manual Cut Off)		
	(Auto Cut Off is switched off)		
36	Green Cut Off (Manual Cut Off)		
	(Auto Cut Off is switched off)		
37	Blue Cut Off (Manual Cut Off)		
	(Auto Cut Off is switched off)		
38	Y-Filter adjustment (Trap is switched off and TDA		
	9145 is switched in forced NTSC Mode)		
39	dummy		
40	Tenth entry is deleted		
41	Default setting of CXA 1587		
	(Only in Plog 99 available)		
42	Default setting of CXA 2018		
	(Only in Plog 99 available)		
43	Default setting of CXA 1526		
	(Only in Plog 99 available)		
44	(all Port High) Not yet		
45	(all Port High) Not yet		
46-48	dummy		
49	Erease the NVM Testbyte (this byte detects already		
	stored NMV's) After selecting this function, switch		
	TV Off and On $ ightarrow$ the NVM will be preset by μ -		
	Controller. (Not the channel data)		
	• • • • • • • • • • • • • • • • • • • 		

Note: For No. 35, 36, 37 and 38 special pressing (AKB, forced Color Mode, Trap) is selected.

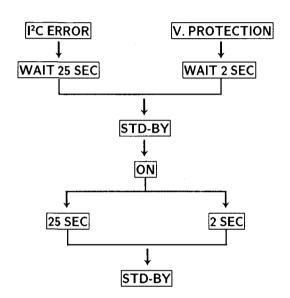
After selecting a new Test Mode Number, the AKB is switched ON, the Trap is switched On and TDA 9145 is switched to Auto Search Mode.

In Test Mode 2 the Menu display is switchable by Speaker-Off button.

4-4. ERROR MESSAGE

Self diagnos system can operates as follows.

 When MP can't get the acknowledge back from the device, LED starts flashing according to the table as attached.



In case of more errors in parallel, the blinking error shows max. Priority according to the error number (e.g. error 2 and error 5 appears together, then LEDs shows error 2).

TABLE OF ERRORS

ERROR COUNT	IC TYPE	FUNCTION
1	I C BUS	SDA low
2	X 24 C 16	EEPROM
3	SDA 3202	Tuner Pil
4	TDA 9145	Colour decoder
5	CXA 1587	RGB/Jungle
6	TDA 6612	Sound processor
7	CXD 2018	V deflection
8	CXA 1545	AV switch
11	SDA 5248	Text
13		V protection

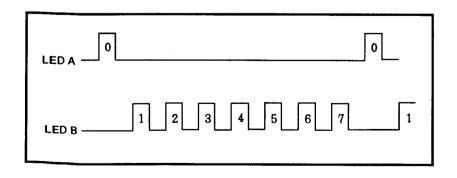
Stand by LED blinking

No IK return

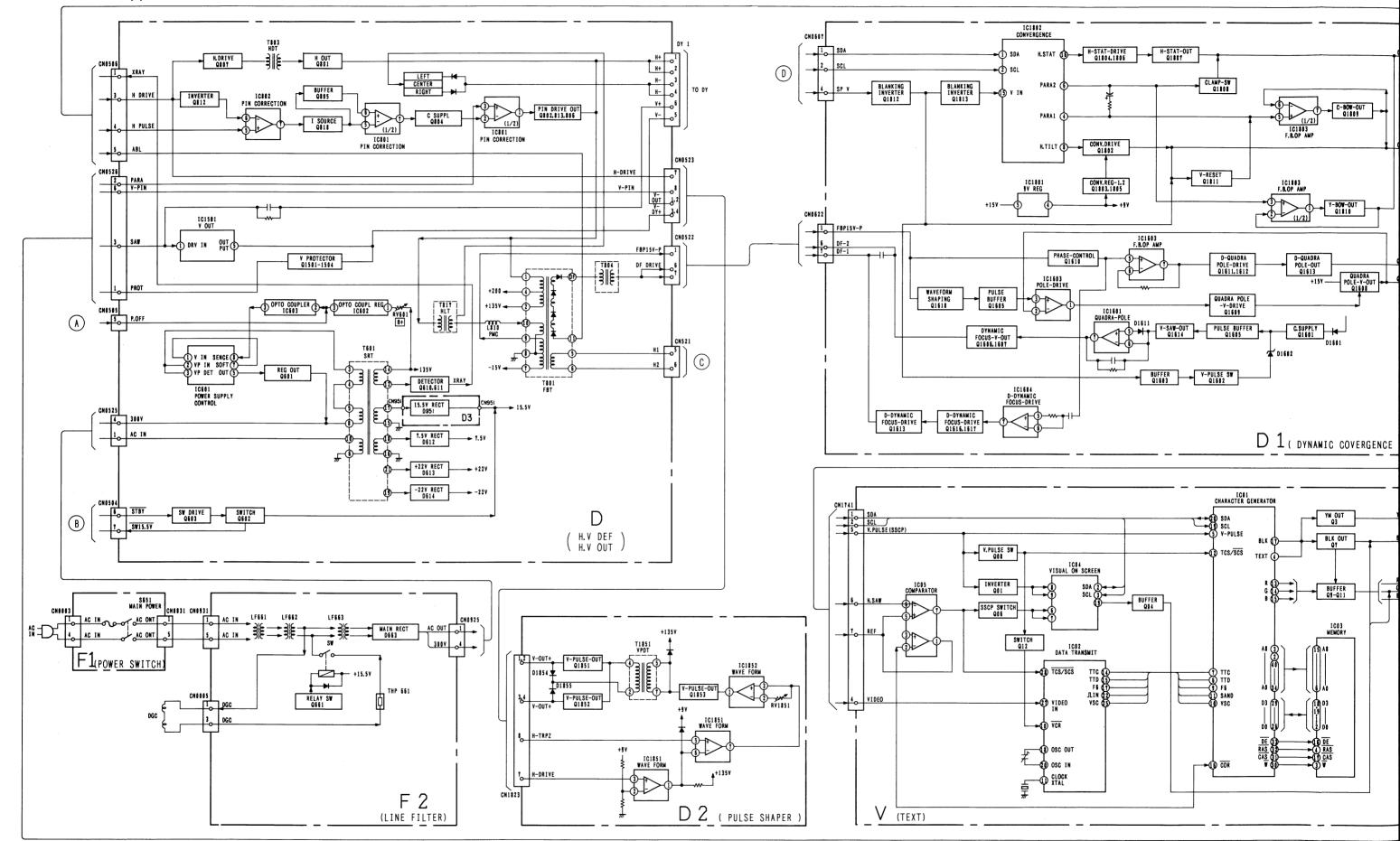
4-5. ERROR II C BUS DIAGNOSIS SYSTEM IN AE 2 CHASSIS

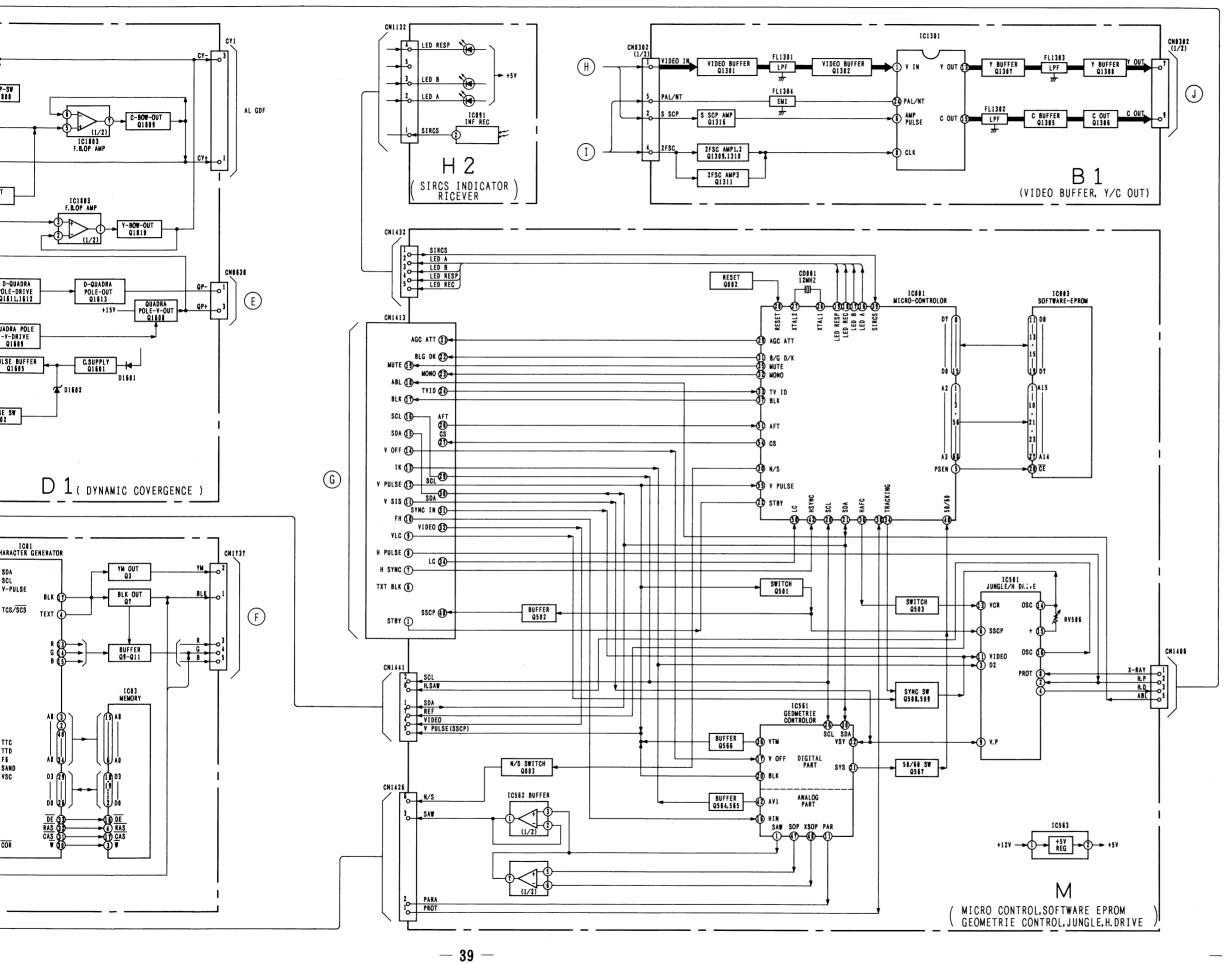
For all ICs in AE 2 chassis which are necessary to get picture and sound there is a built in error I²C Bus diagnosis system.

In case of no acknowledge bit, LED A and LED B starts blinking as shown.

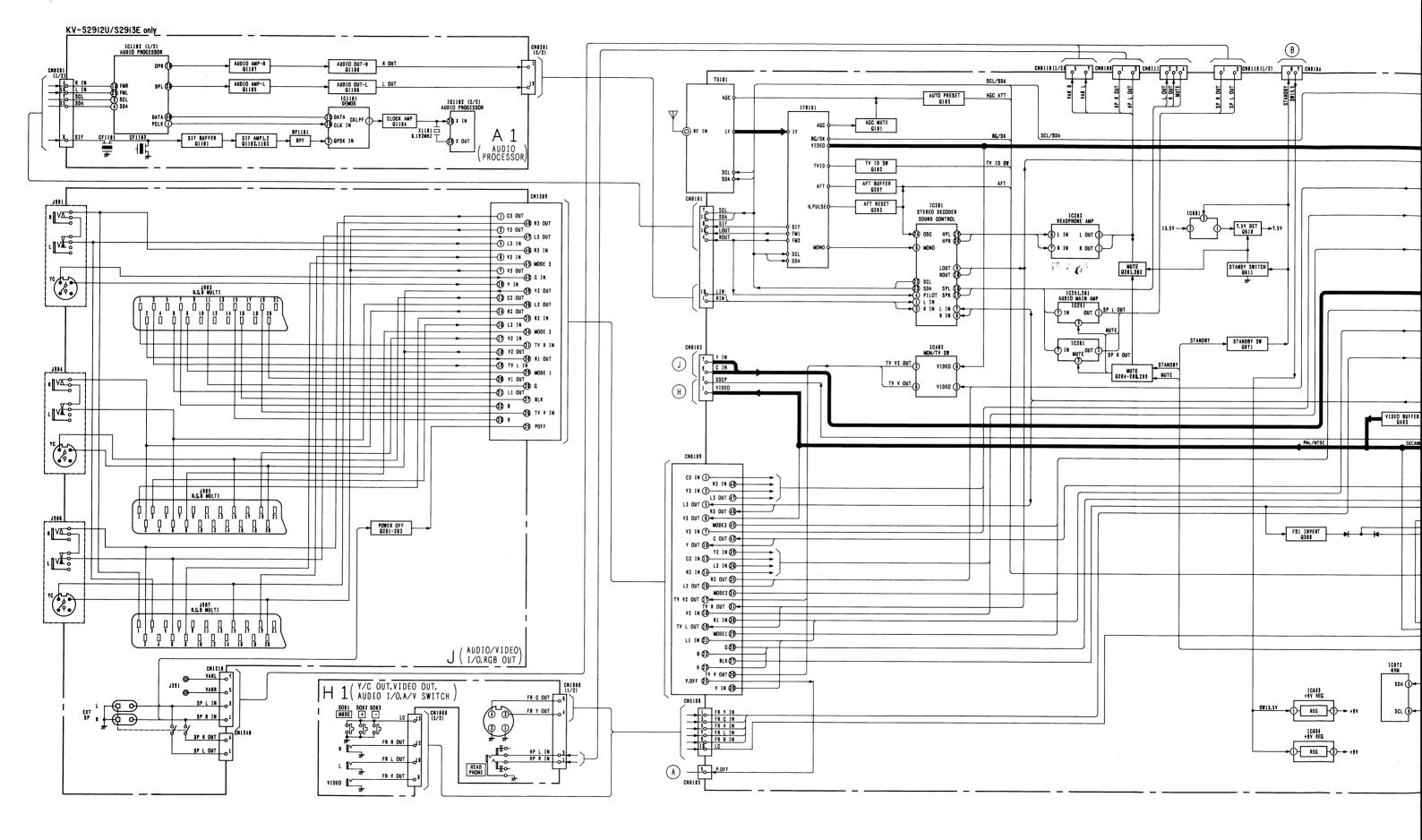


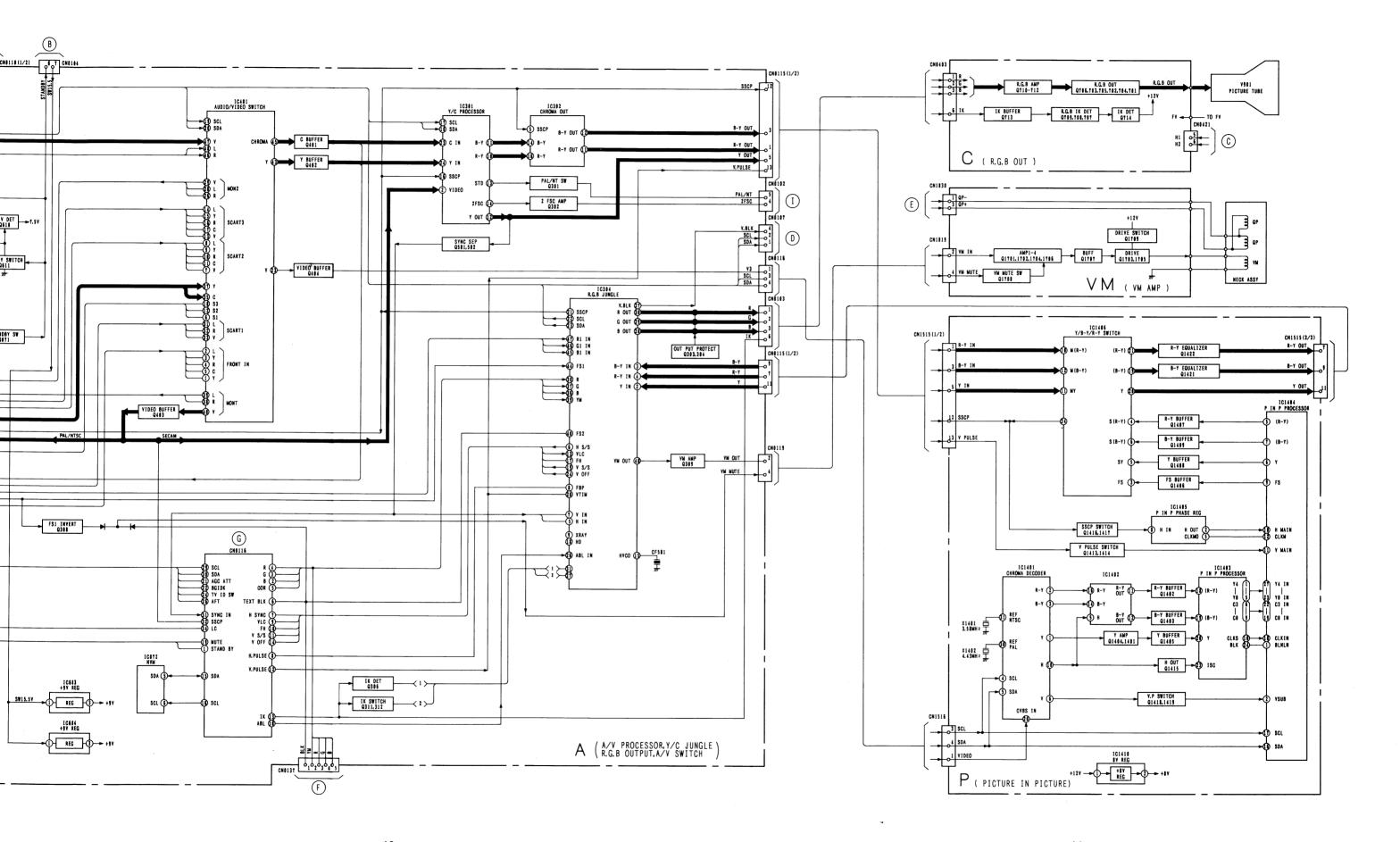
5-1. BLOCK DIAGRAM (1)



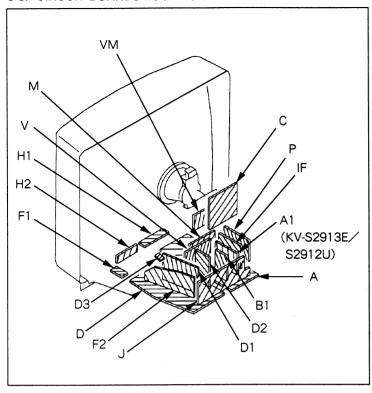


-41 -





5-3. CIRCUIT BOARDS LOCATION



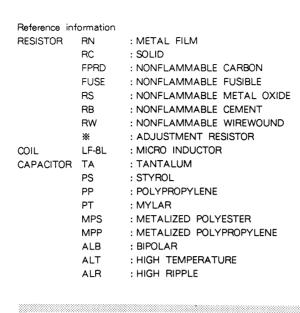
5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

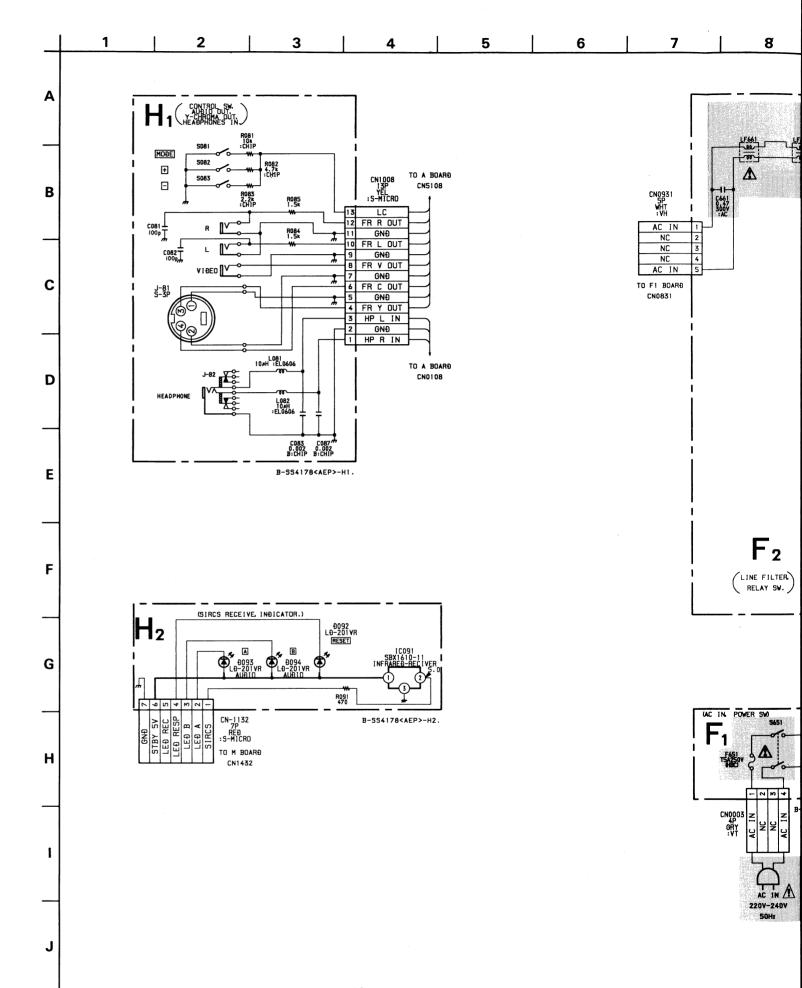
- All capacitors are in μF unless otherwise noted.
 pF: μμF 50WV or less are not indicated except for electrolytic.
- Indication of resistance, which dose not have one for rating electrical power, is as follows.

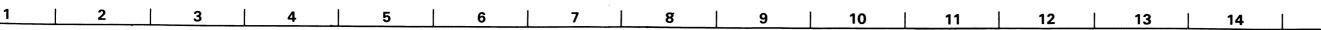
Pitch : 5mm Rating electrical power : 1/4W

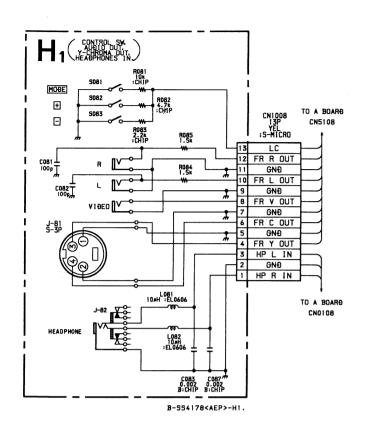
- Chip resistor is in 1/10W.
- All resistors are in ohms. $k\;\Omega=1000\;\Omega,\;M\;\Omega=1000K\;\Omega$
- : nonflammable resistor.
- · w : fusible resistor.
- Δ : internal component.
- _____: panel designation or adjustment for repair.
- All variable and adjustable resistors have charactristic curve B, unless otherwise noted.
- · __ : earth ground
- ; earth chassis
- · All voltages are in V.
- + Readings are taken with a 10M Ω digital multimeter.
- · Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- : B + bus.
- • = : B bus.
- signal path.(RF)

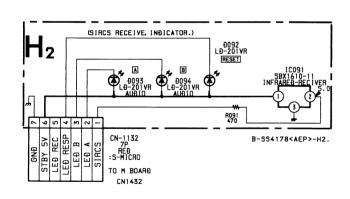


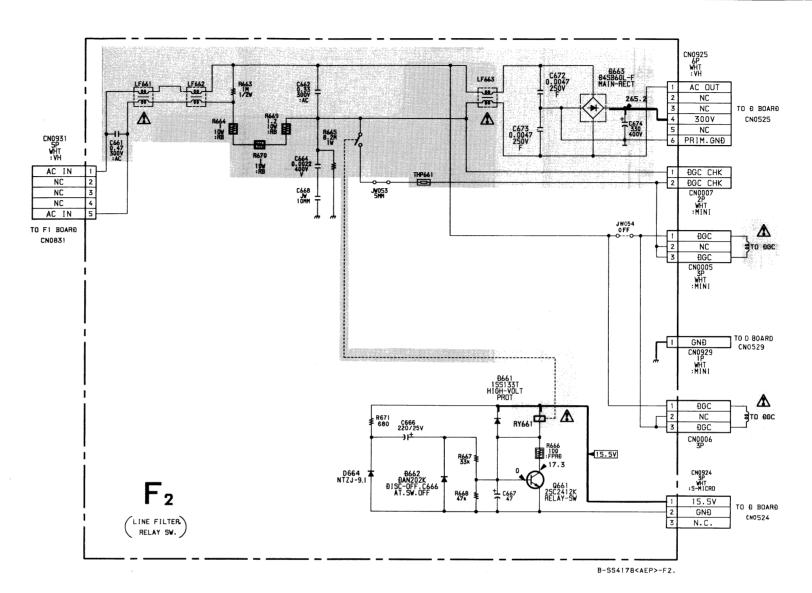
Note: Les composants identifiés par une trame et par une marque A sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

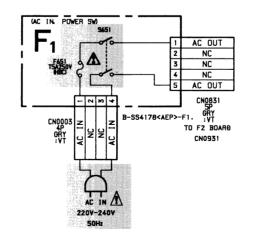






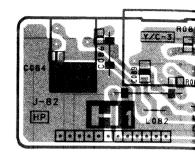




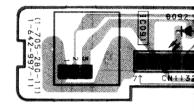




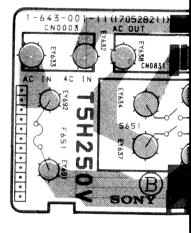
- H1 BOARD -

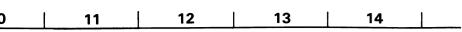


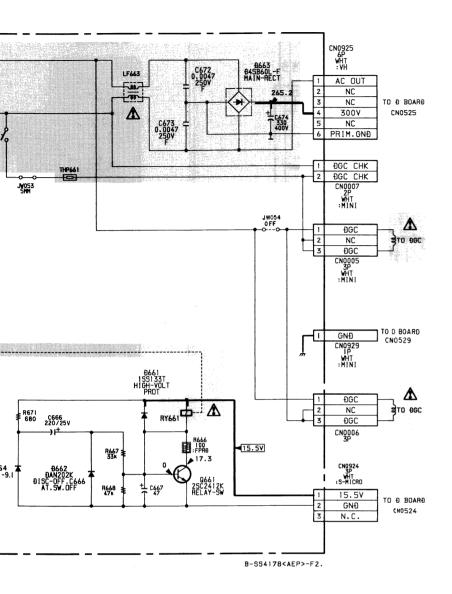
- H2 BOARD -



- F1 BOARD -



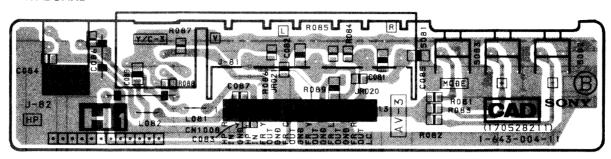




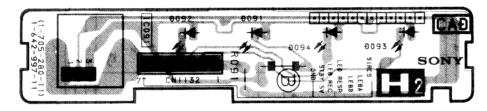
CONTROL SW, AUDIO OUT, Y-CHROMA OUT, HEADPHONE IN

 $\textbf{H2} \begin{bmatrix} \text{SIRCS RECEIVER,} \end{bmatrix} \boxed{\textbf{F1}} \begin{bmatrix} \text{AC IN,} \\ \text{POWER SW} \end{bmatrix} \boxed{\textbf{F2}} \begin{bmatrix} \text{LINE FILTER,} \\ \text{RELAY SW} \end{bmatrix}$

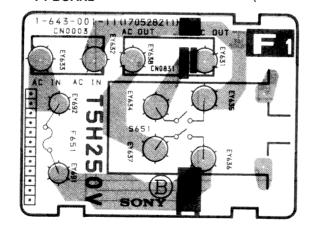
- H1 BOARD -

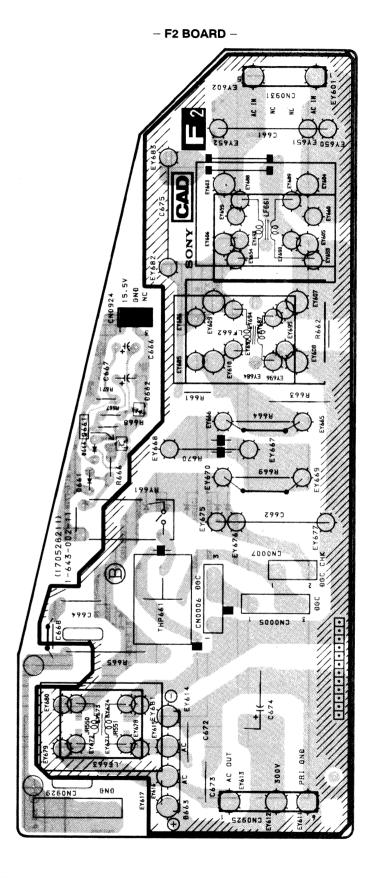


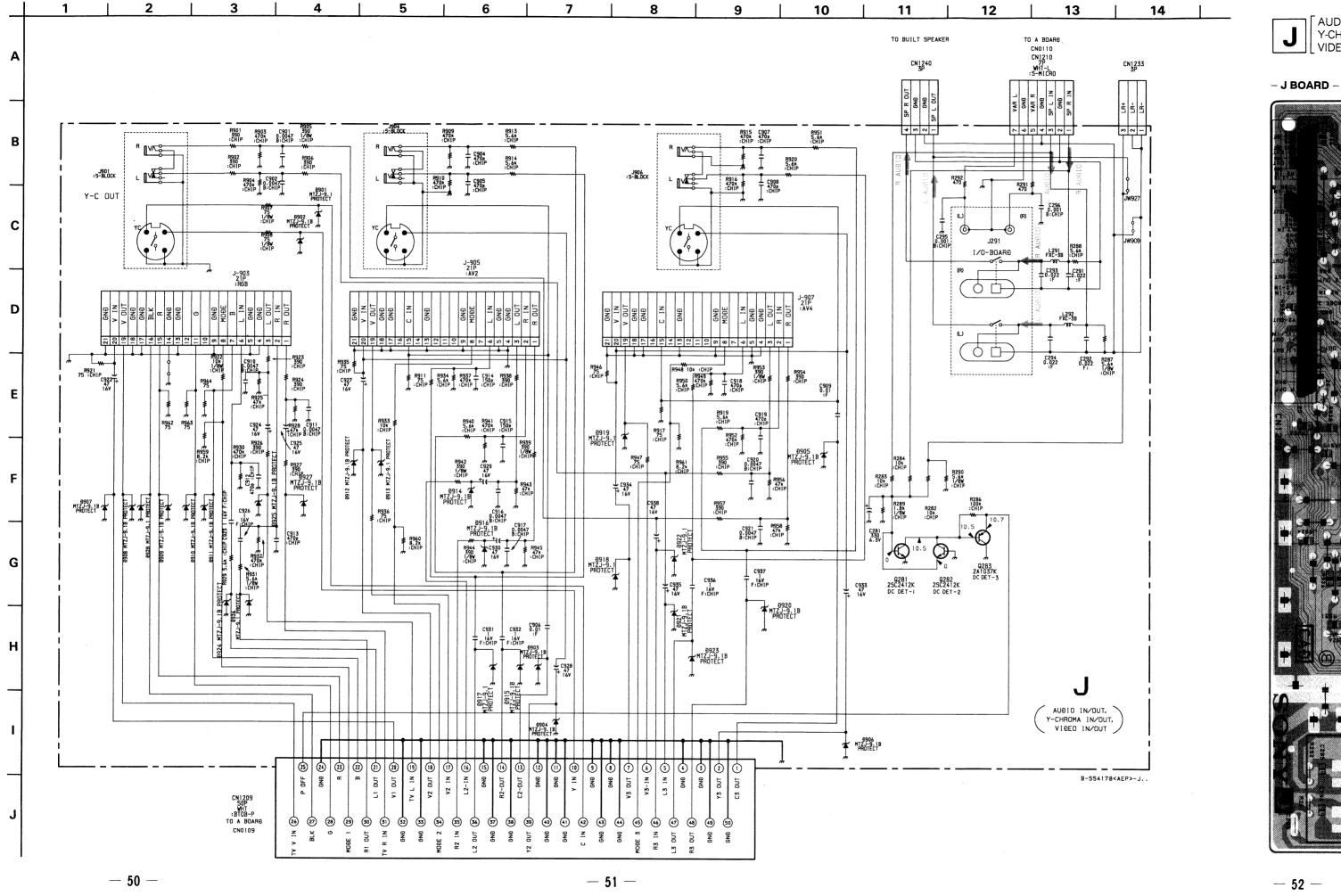
- H2 BOARD -

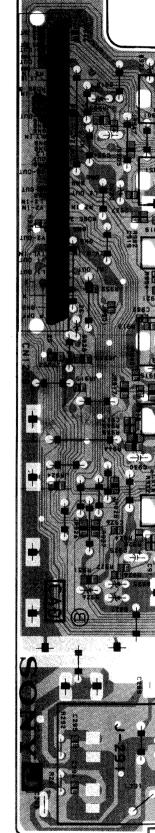


- F1 BOARD -

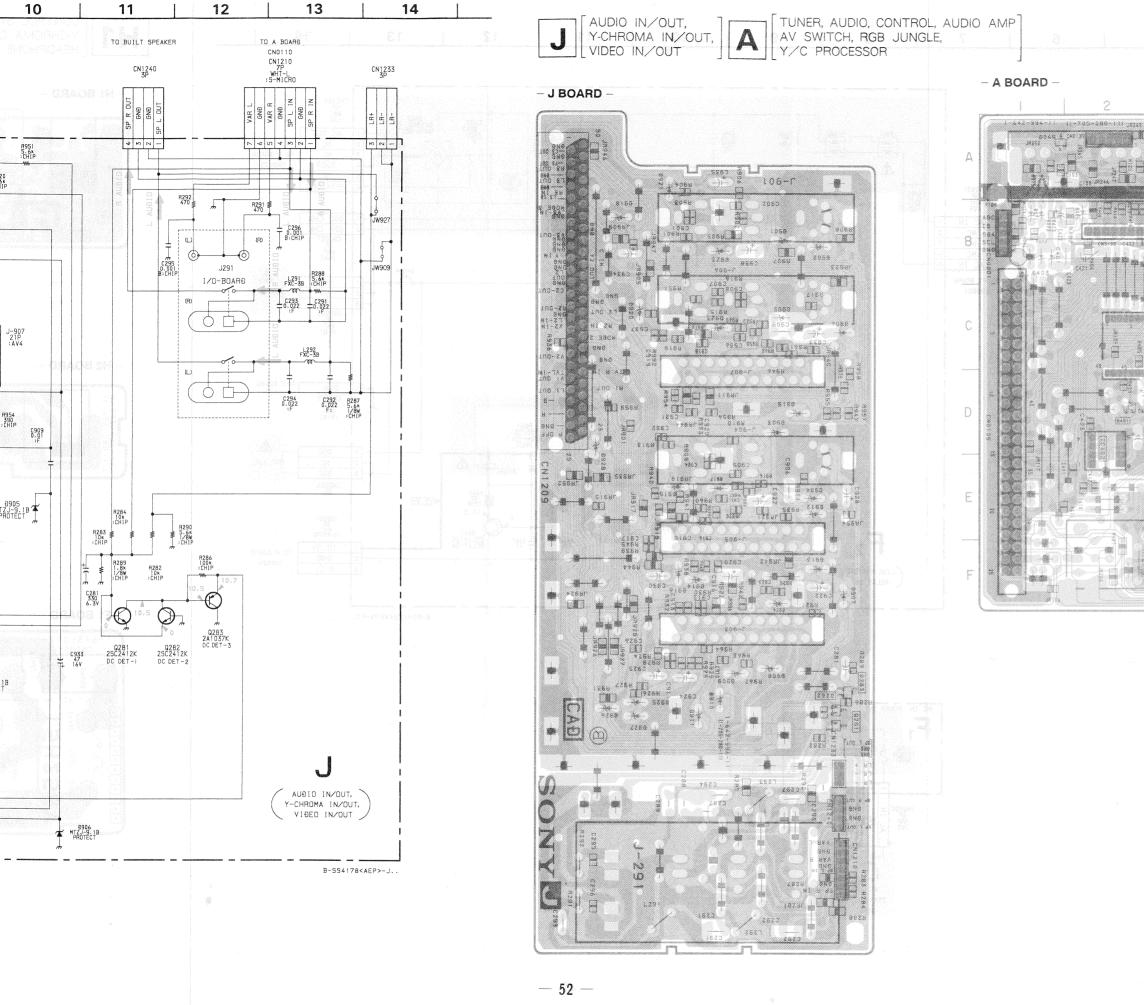








AUDIO IN/OUT Y-CHROMA IN/ VIDEO IN/OUT



Q683

D069

D071

D073

F-11

A-1

B - 1

B-1

DIODE

IC

B-8

D-7

D-6

E-5

E - 3

A - 10

A - 13

C - 13

IC072

IC201

IC202

IC251

IC261

IC301

IC302

IC304

	2	3 4	programme of the second	6	7	8	9	10 - 24 4 - 34 11	12	13
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			CNDIE!	・ 一般 一般 ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・			(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			
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		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1704 17251 17251			SONY S			0.103 - 0.3366 - 0.1	
	1274					GAD	4246			
	- Sec. 35	US SECOND	Feu (and mind and	2	11567	2	614101

10304	U - 13	D013	B-I
IC401	C - 3	D075	A-1
IC402	D - 2	D077	B-10
IC681	E-12	D078	B-9
10683	F = 11	D079	B-9
IC684	C-6	D101	B - 3
he / X		D205	0 A-9
_A A		D206	F-10
194. <u>/</u>		D207	G F-10
TRANS	SISTOR	D208	F - 10
1117/14	0101011	D209	E-4
0071	F - 12	D210	E-4
Q101	B - 4	D211	F-6
Q102	A-9	D212	F-6
Q103	B - 4	D213	F-7
Q201	E-6	D301	B - 11
0202	E - 6	D302	A - 12
0203	A-6	D303	C = 11
0204	F-4	D304	B - 13
0205	F-3	D305	D - 11
Q206	F-3	D306	E - 13
0207	B - 8	D307	E - 13
0209	F - 10	D308	E - 13
Q301	A - 9	D311	D - 12
0302	B - 10	D381	0 421 1
Q303	E - 13	D401	Bedie
Q304	E - 13. 9	D403	. 9 B0⊕ 1≥ 9
Q306	E - 12	D405	B - 2
Q308	D - 12	D406	B - 3
Q309	D - 11	D401	D - 3
Q311	D - 10	D571	C-12
Q312	noD = 10	D681	F - 11
Q401	D - 2	D682	F = 11
Q402	C - 3	205/00 68	
Q403	D-3	bayarg -	

C - 4

F-12

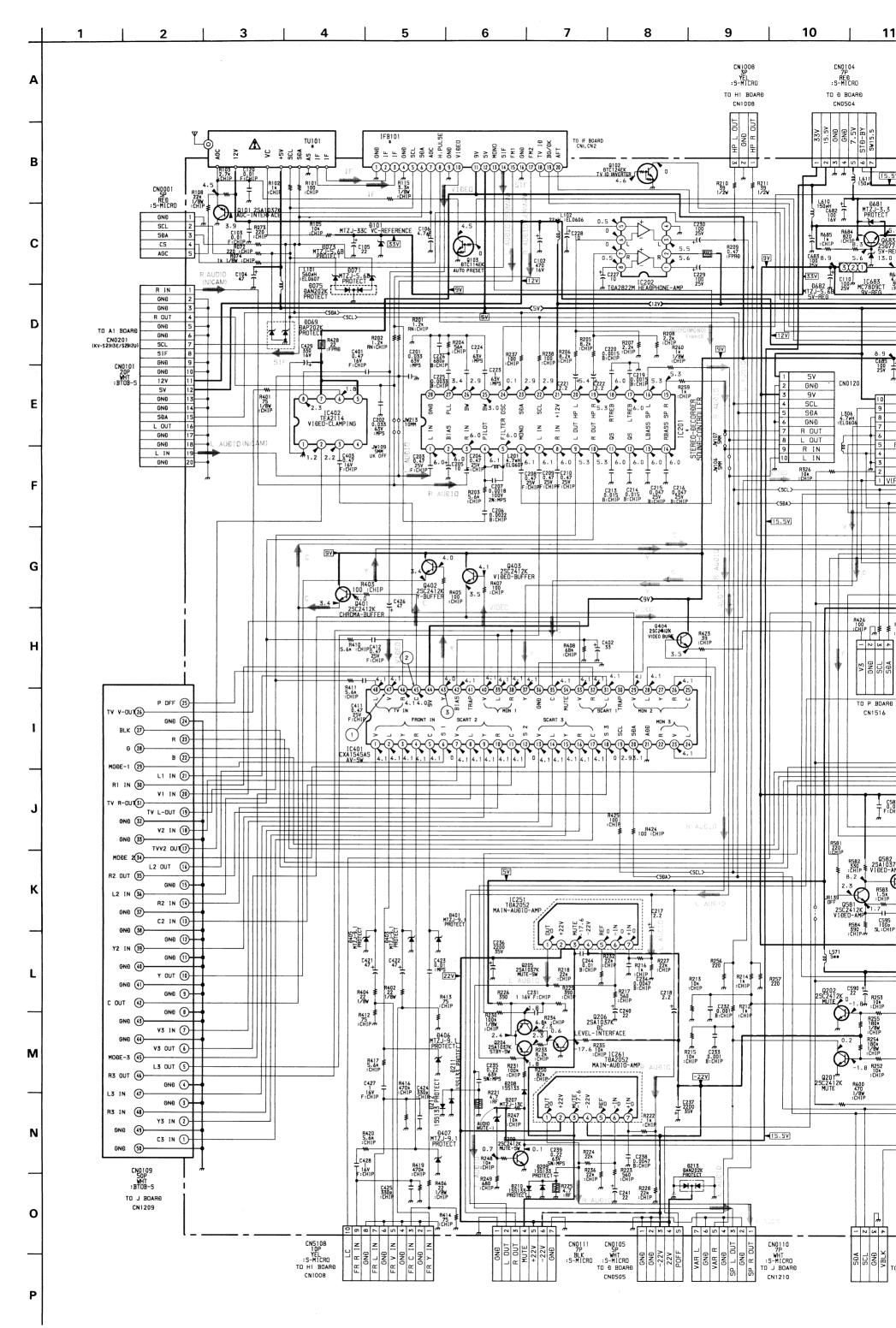
Q611 F-12

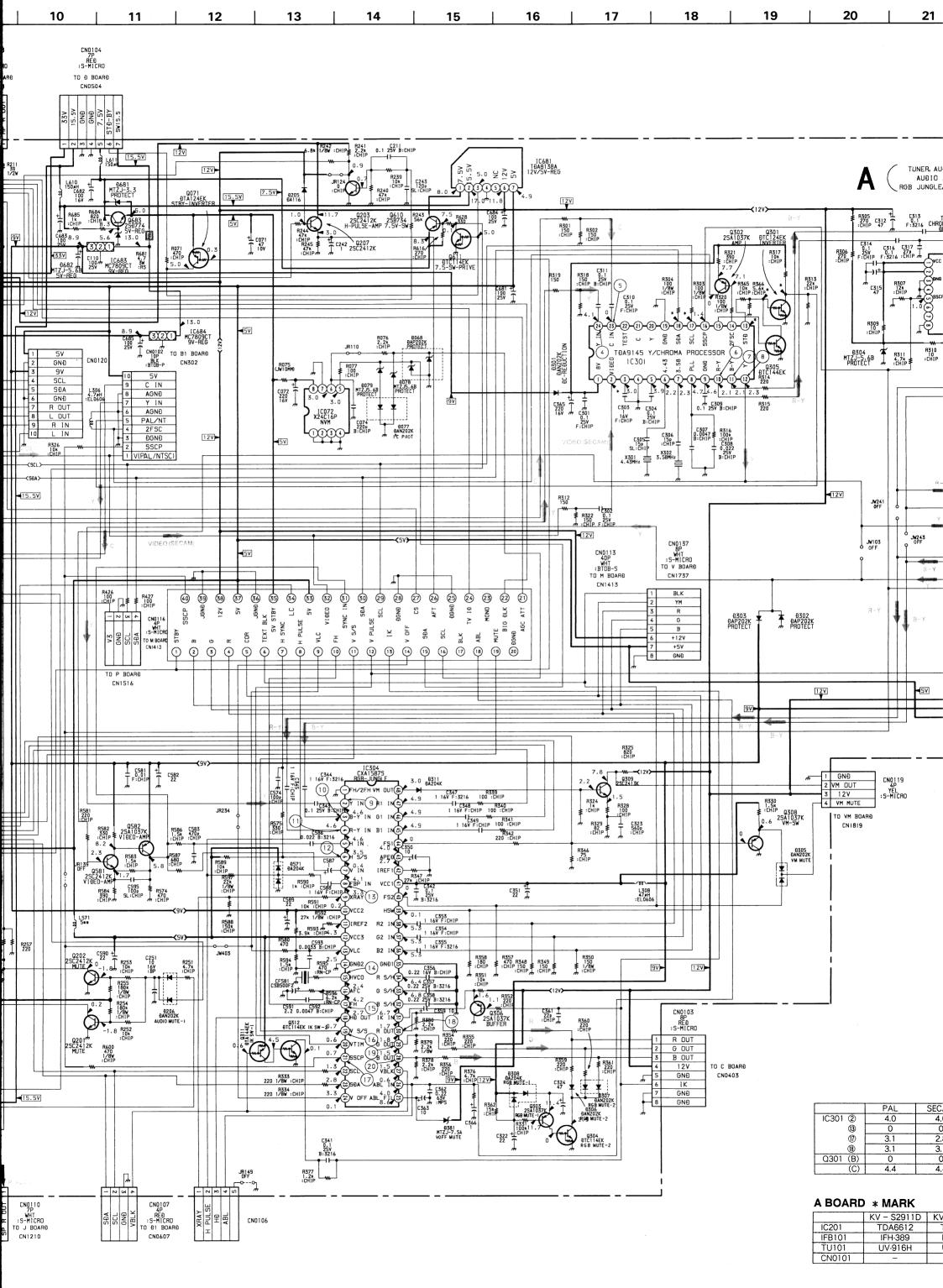
Q404

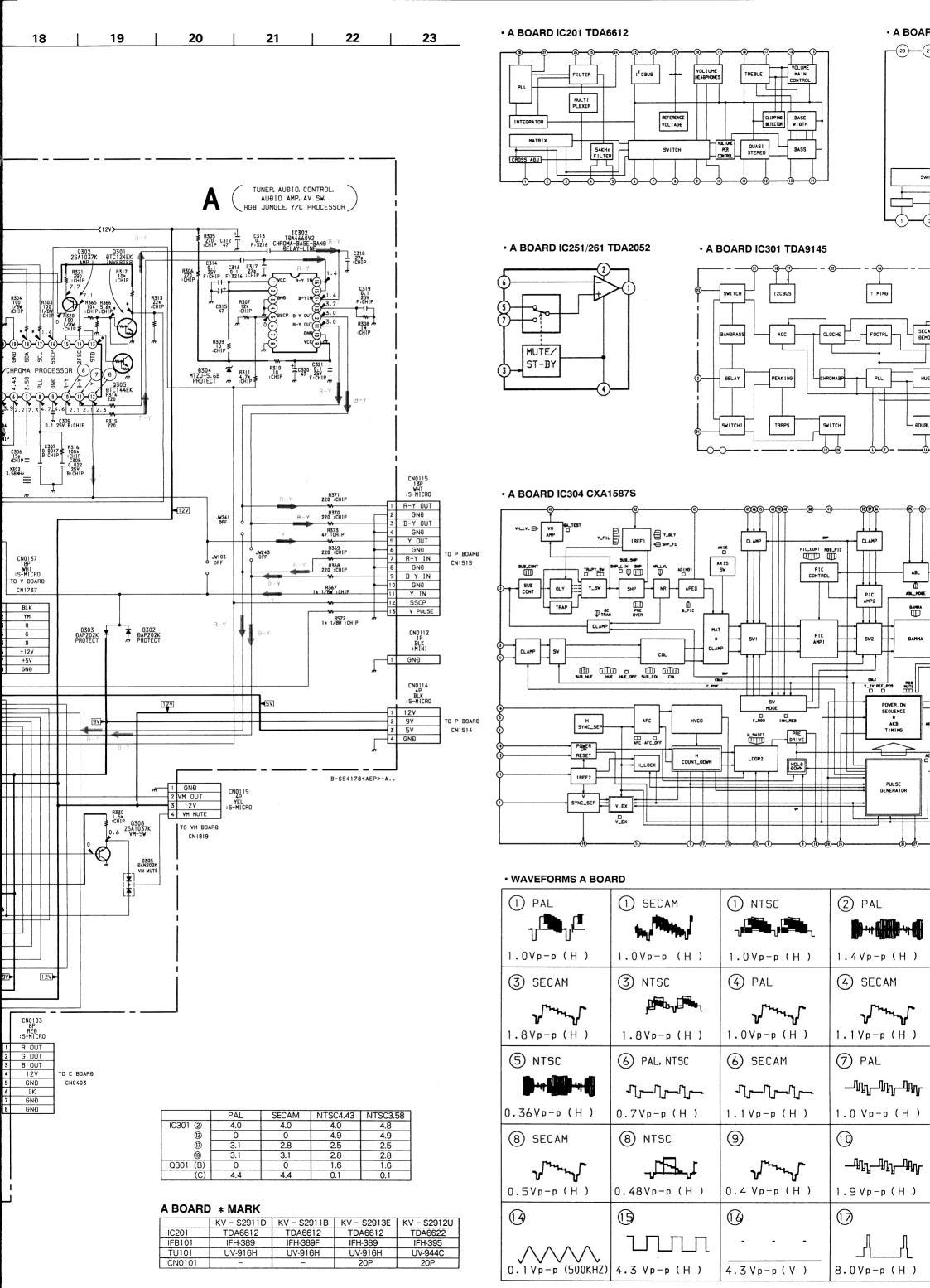
0610

Note:

- Pattern from the side which enables seeing.
- See : Pattern of the rear side.







CN0115 13P WHT S-MICRO

GND GND B-Y OUT GND Y OUT

GNĐ

GNÐ

SSCP

V PULSE

CN0112

GNĐ

B-Y IN GNĐ Y IN

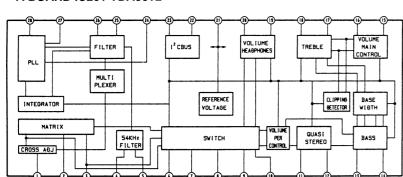
R-Y IN

TO P BOARD

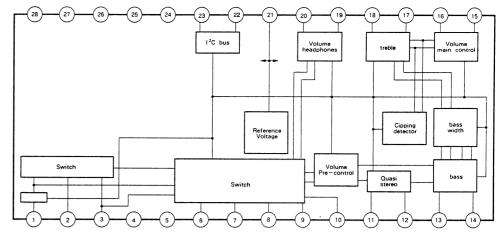
CN1515

TO P BOARĐ

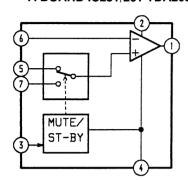




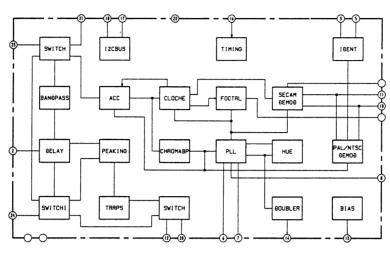
· A BOARD IC201 TDA6622 (UK Model only)



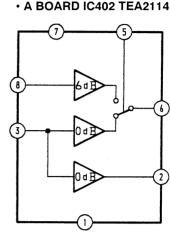
• A BOARD IC251/261 TDA2052



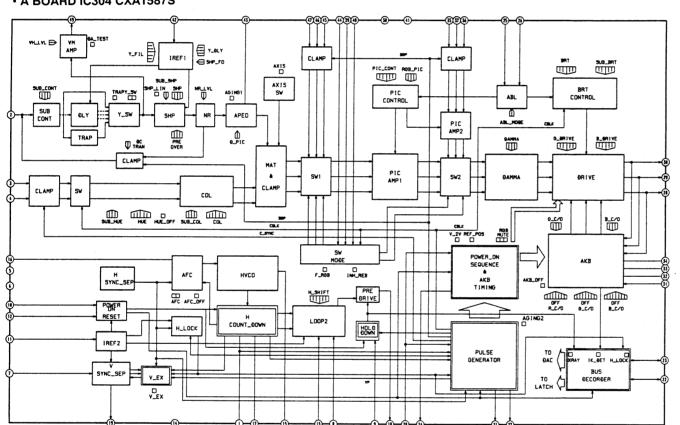
• A BOARD IC301 TDA9145



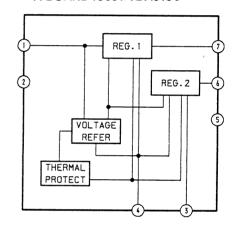
• A BOARD IC402 TEA2114



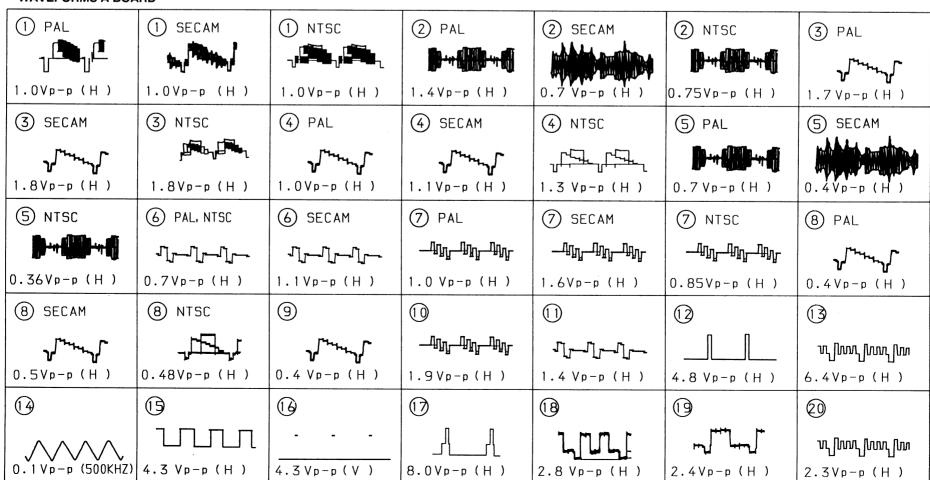
A BOARD IC304 CXA1587S

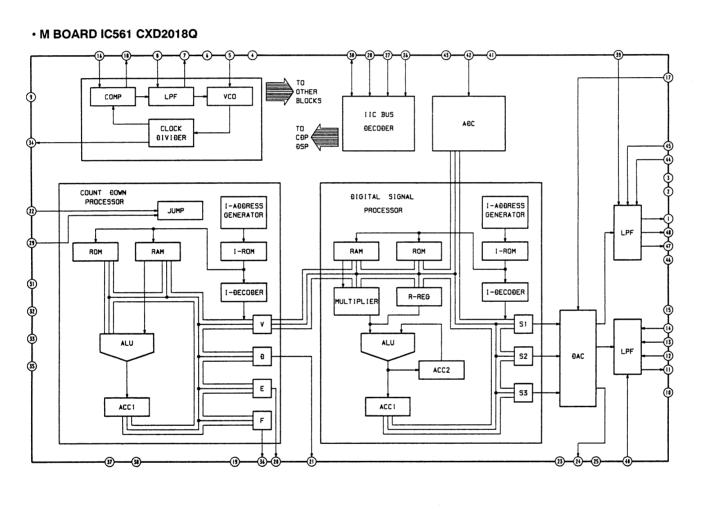


• A BOARD IC681 TDA8138



WAVEFORMS A BOARD





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В

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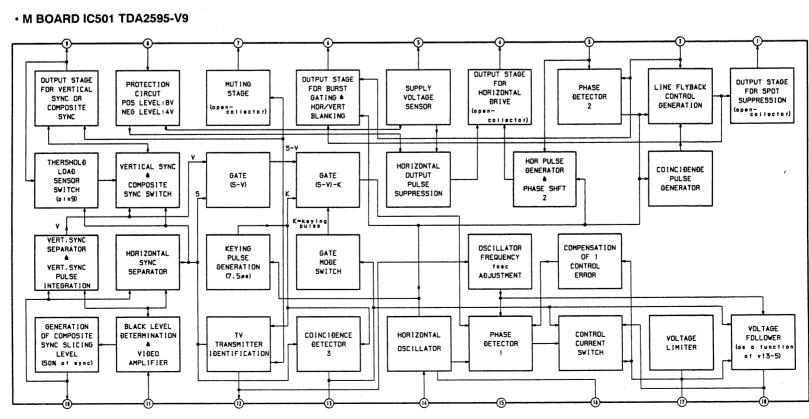
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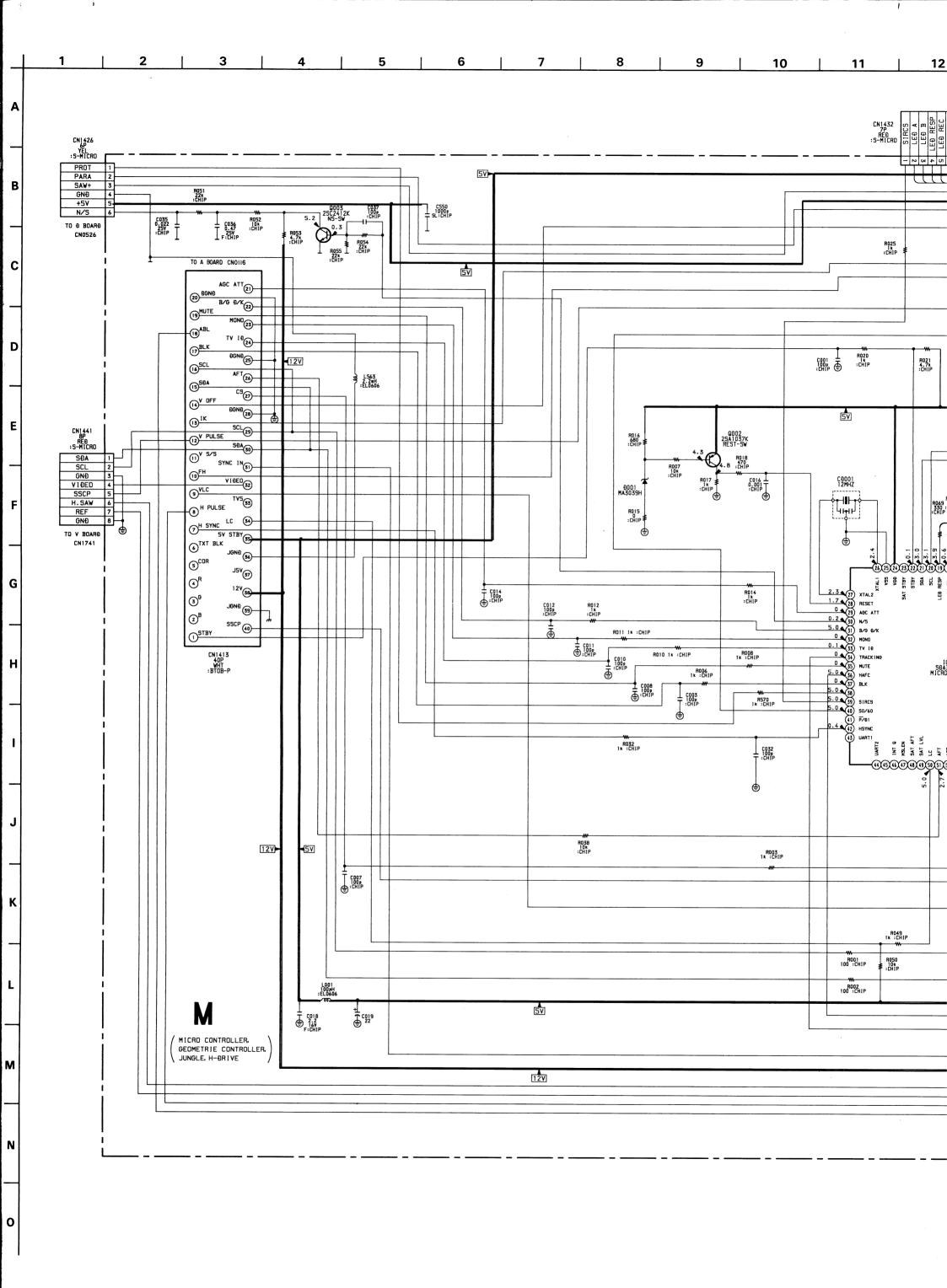
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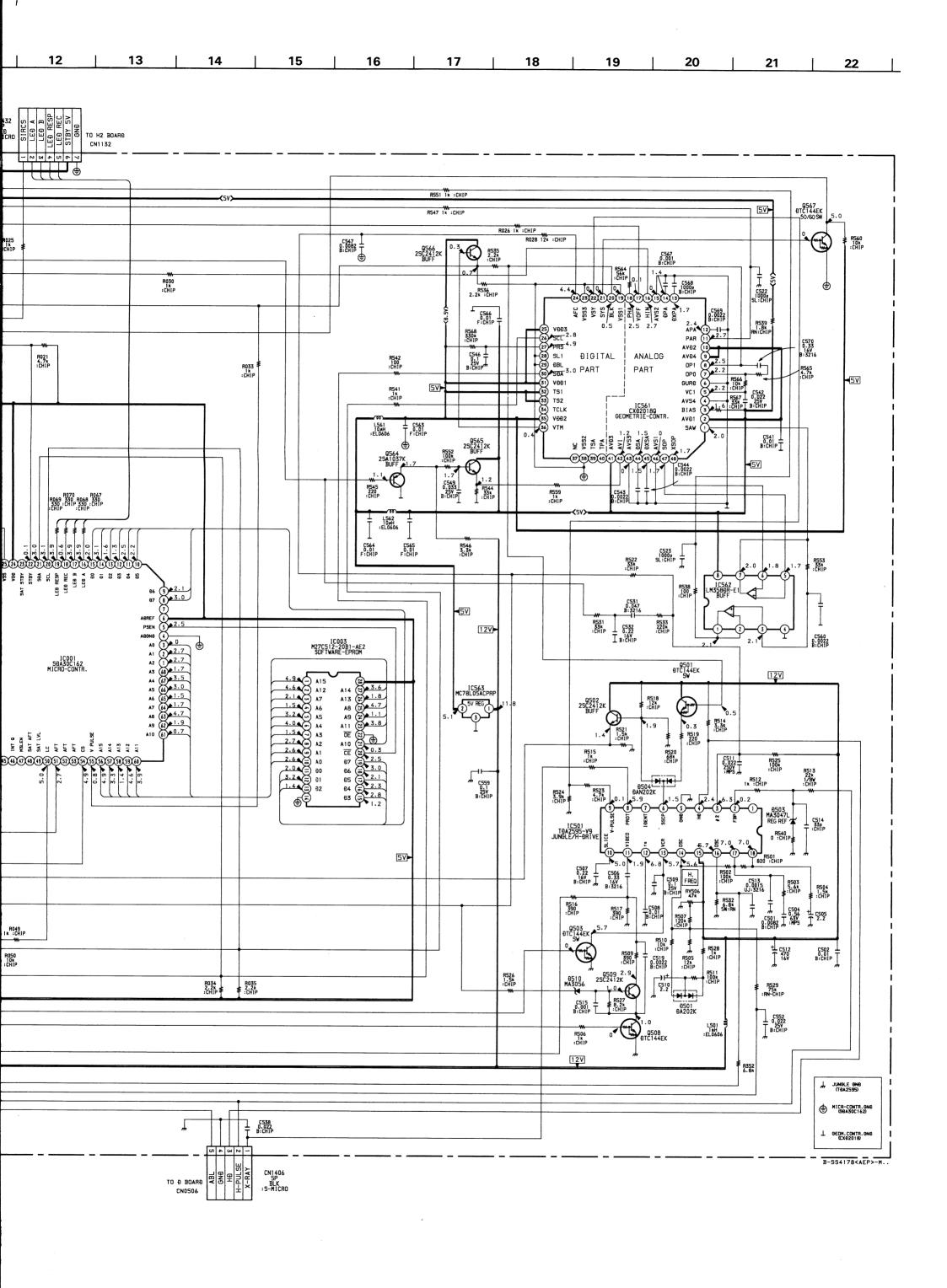
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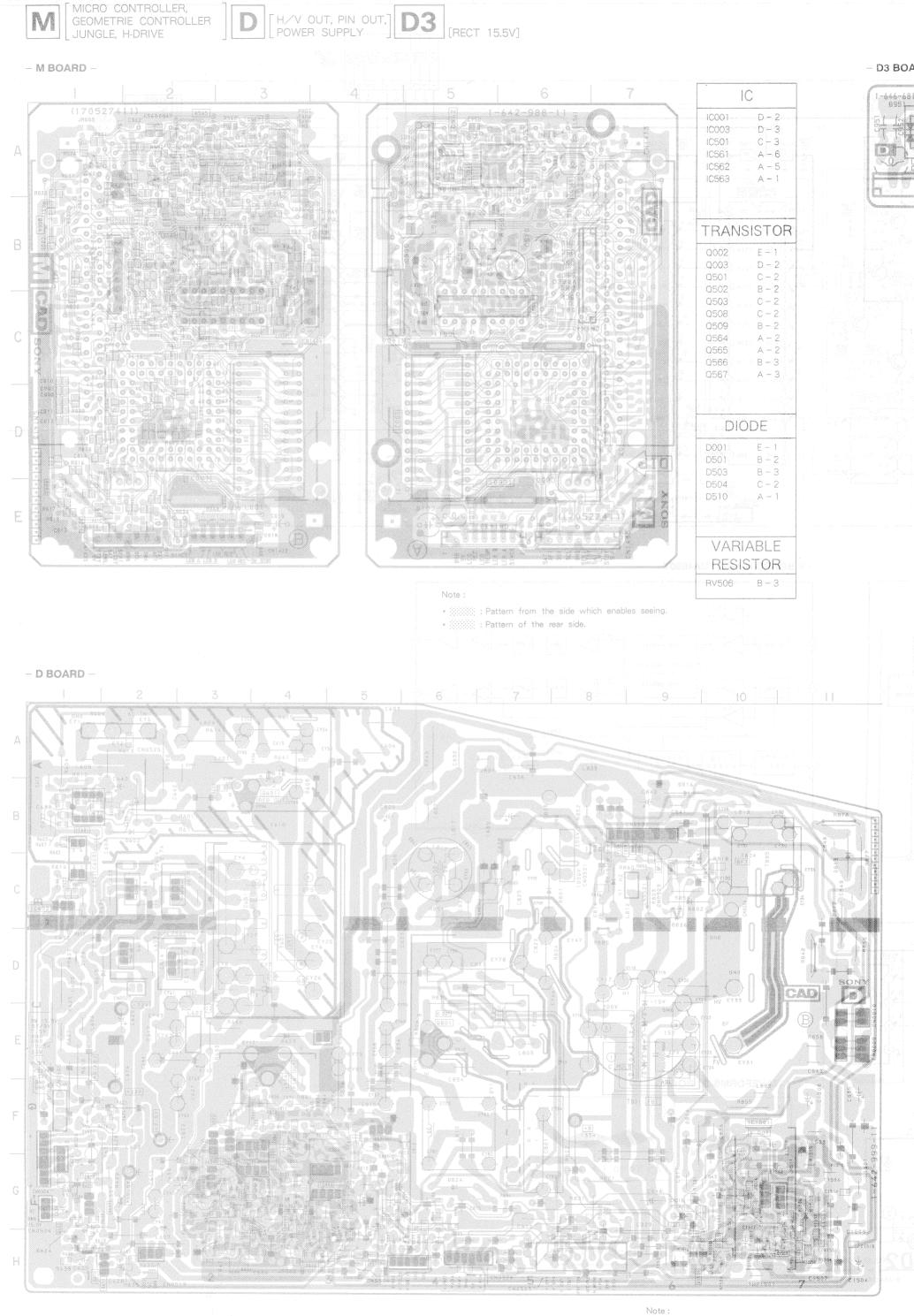
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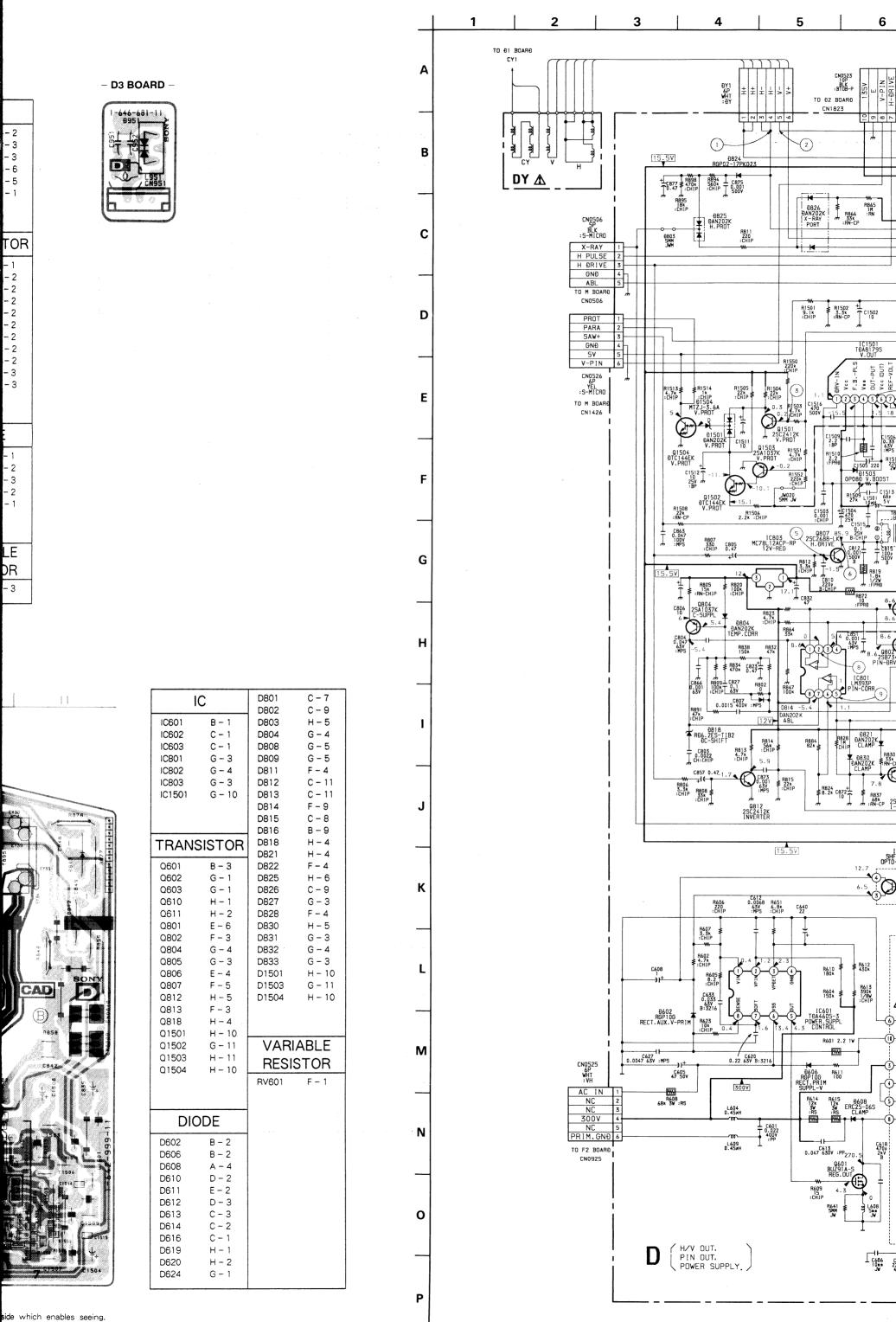








- Battern from the side which enables seeing.
- Battern of the rear side.



6

■ ②

C861 0.1 63V

MTZJ-12E REG. OPTO-CO

L602 D.45#H

P5604 2.7A

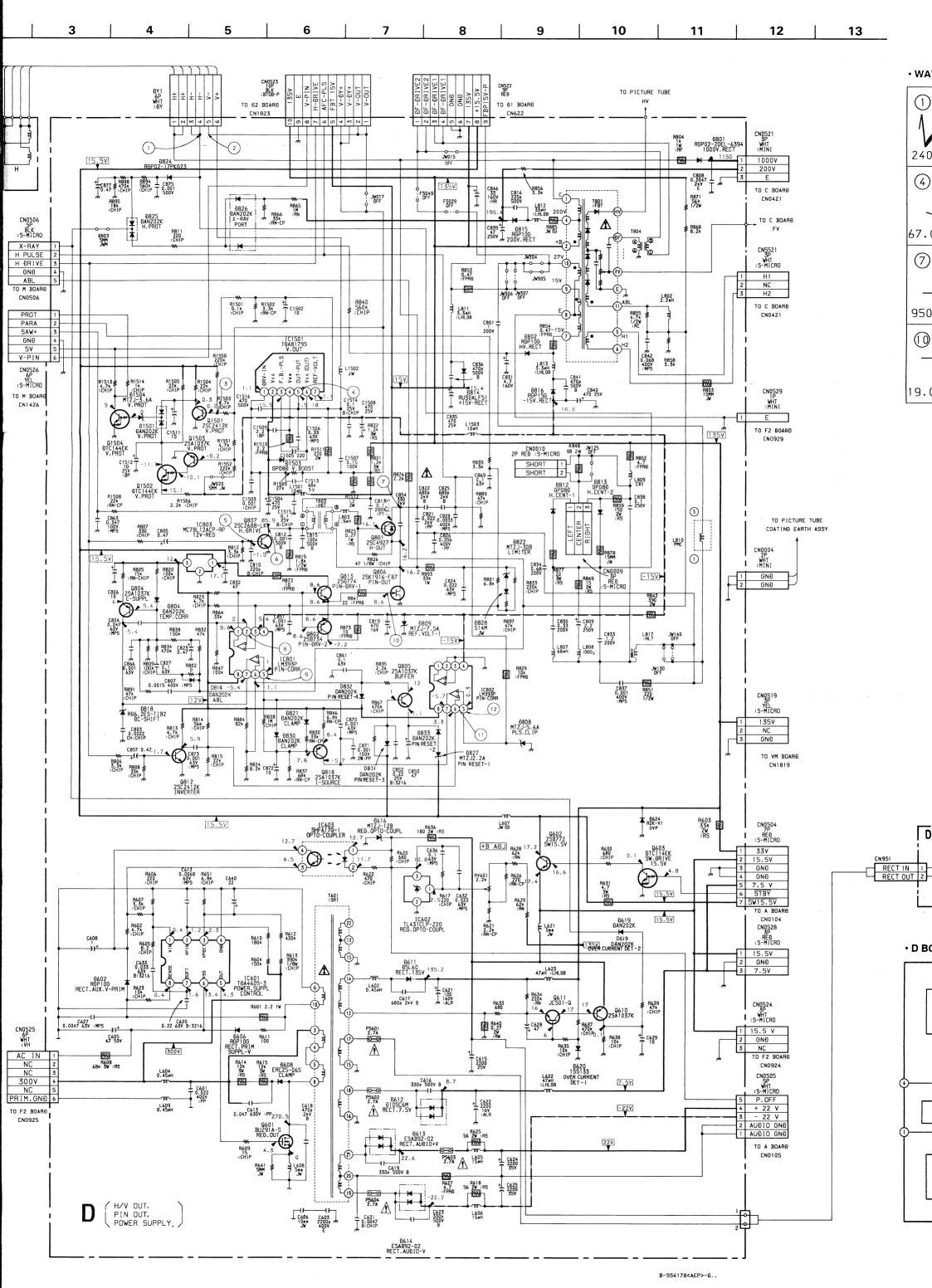
C631 D.0047 B:CHIP

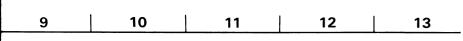
T601 :SRT

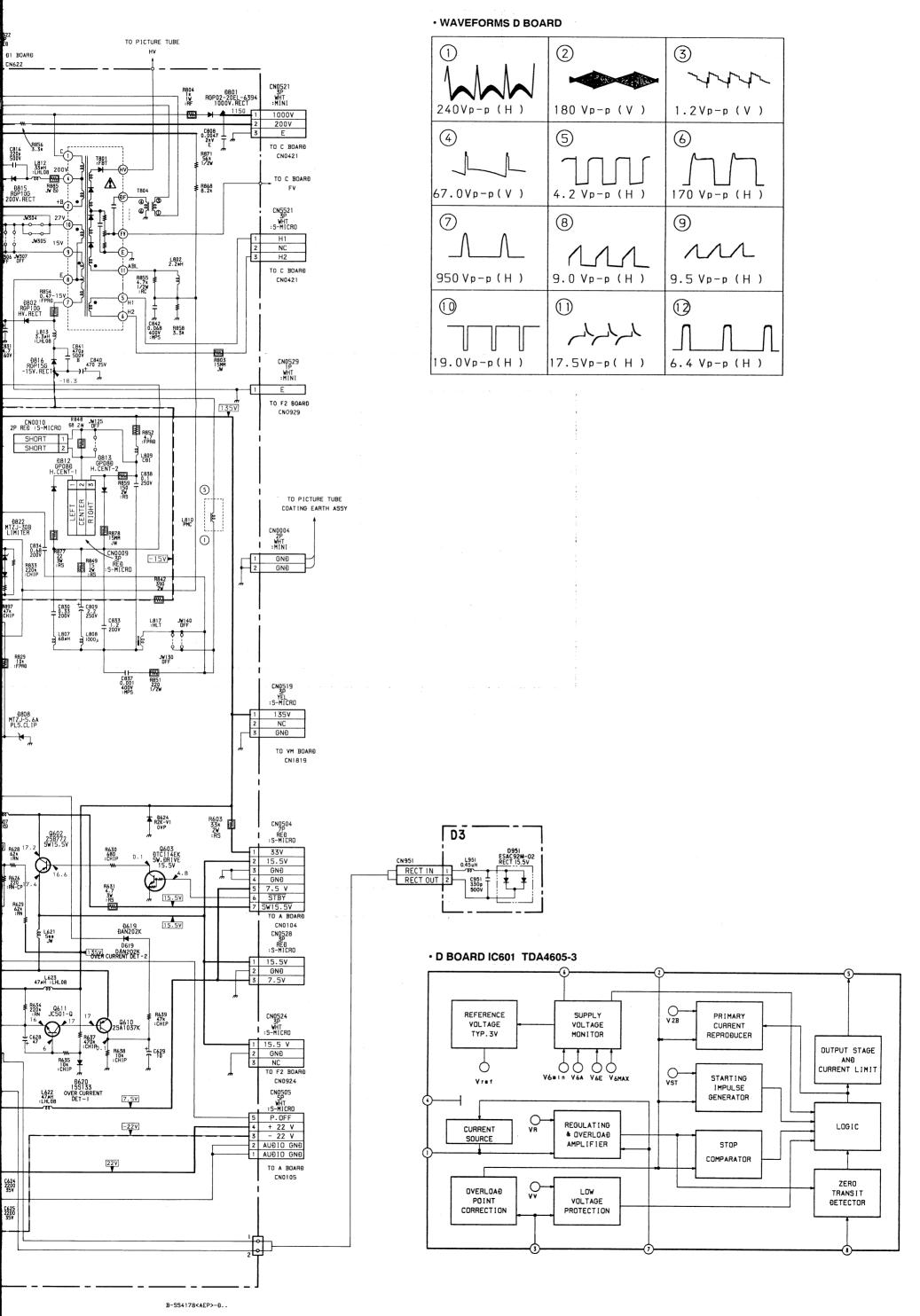
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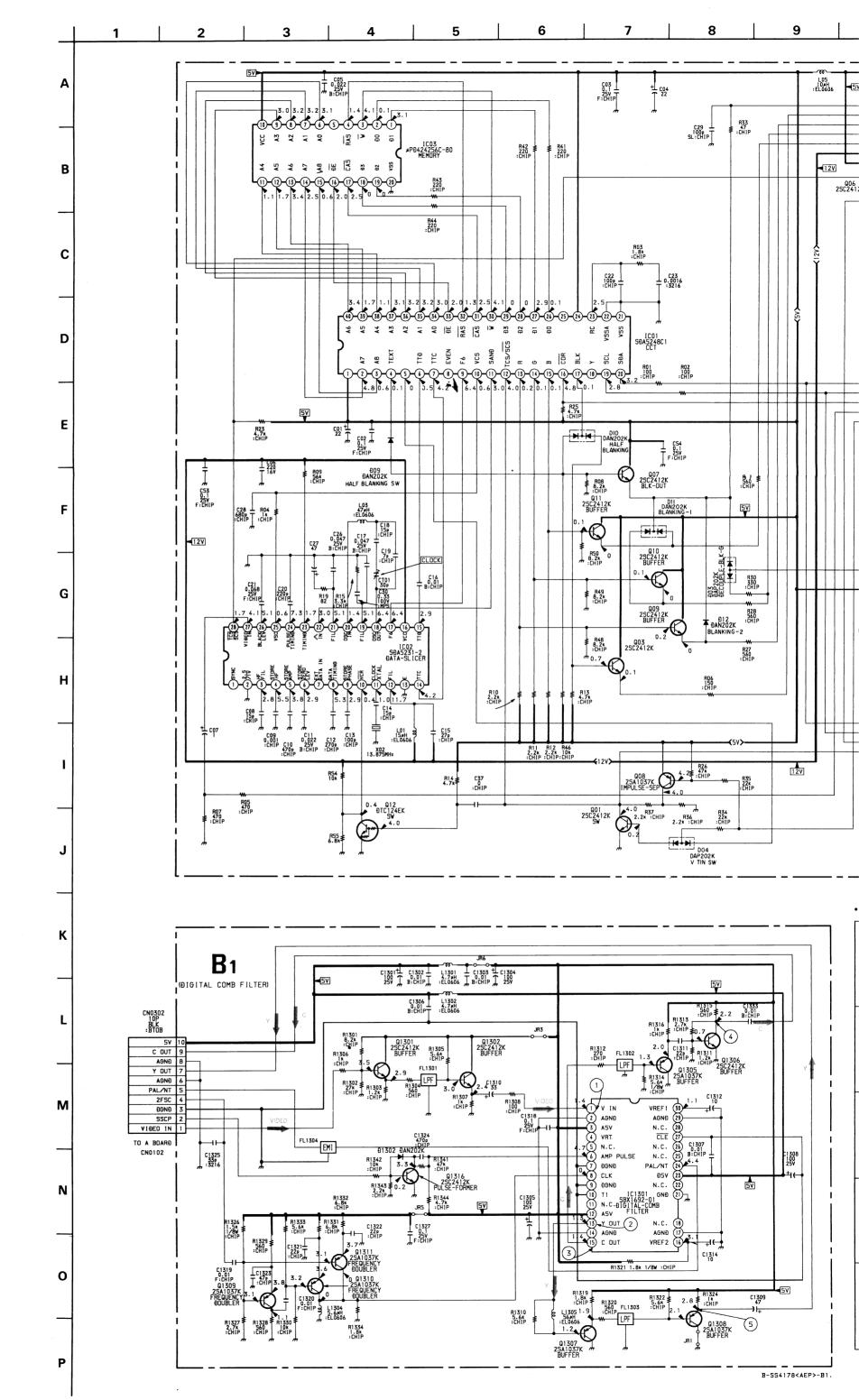
R612 430k

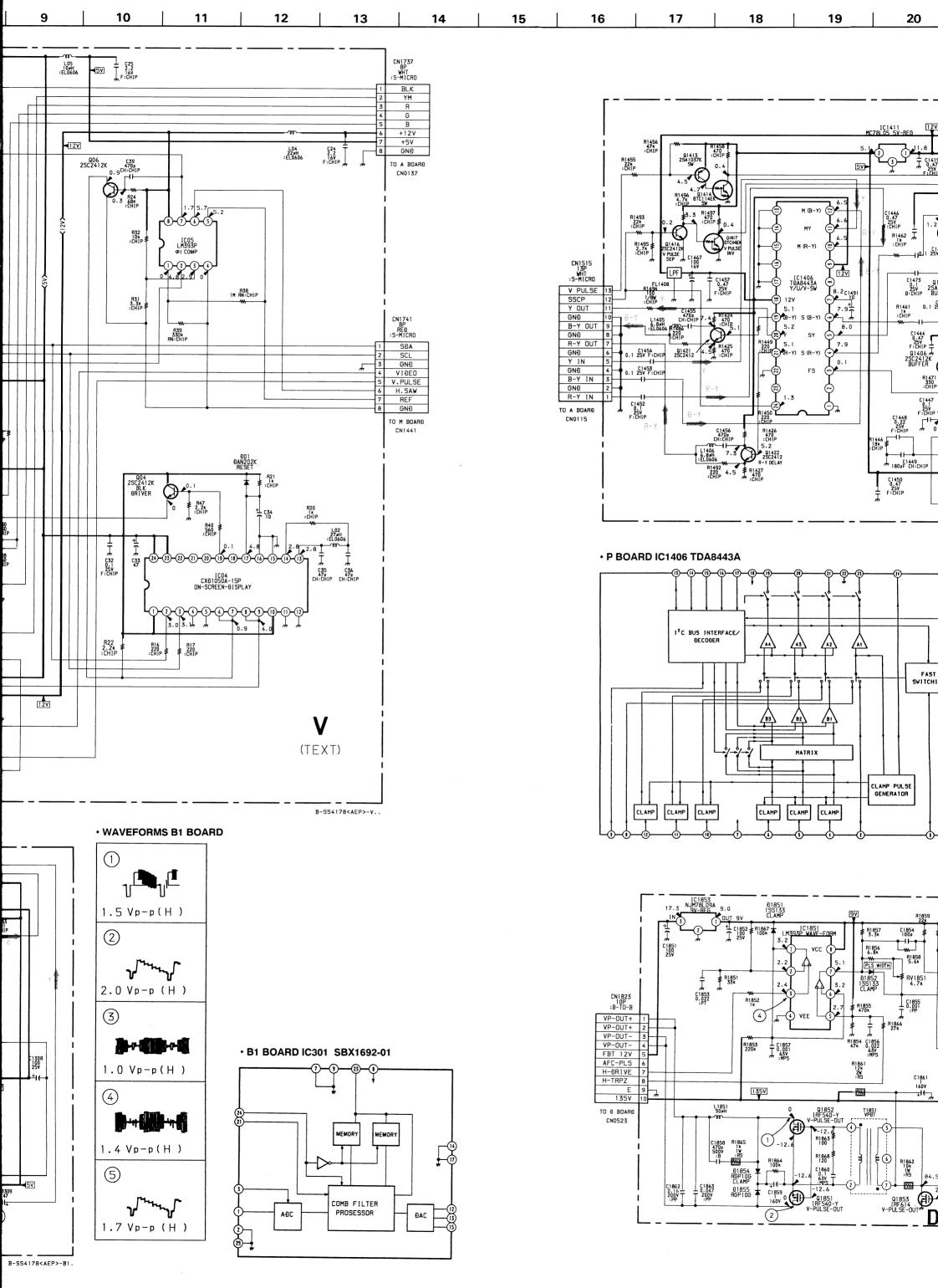
-66-

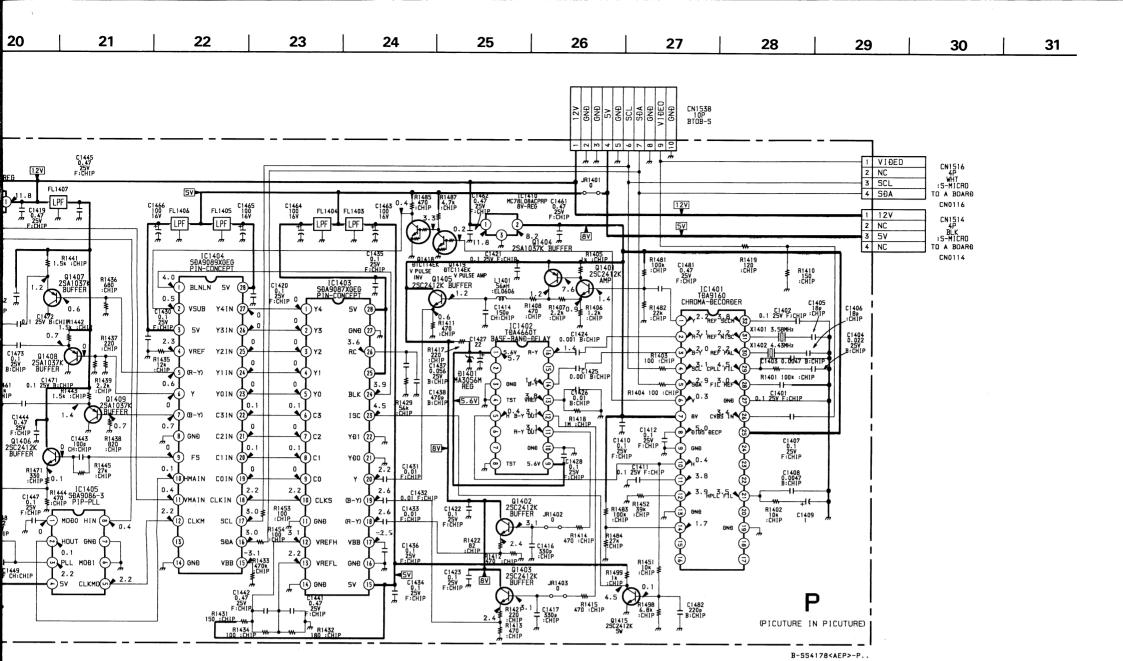




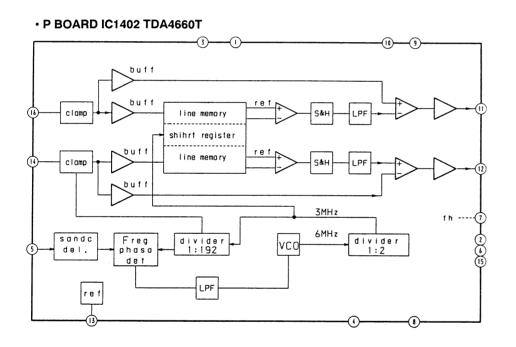


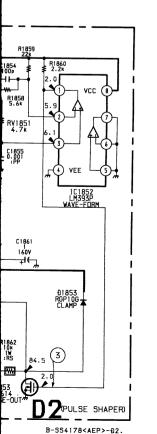




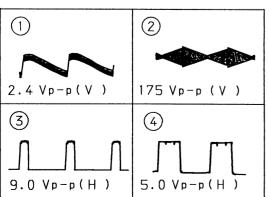


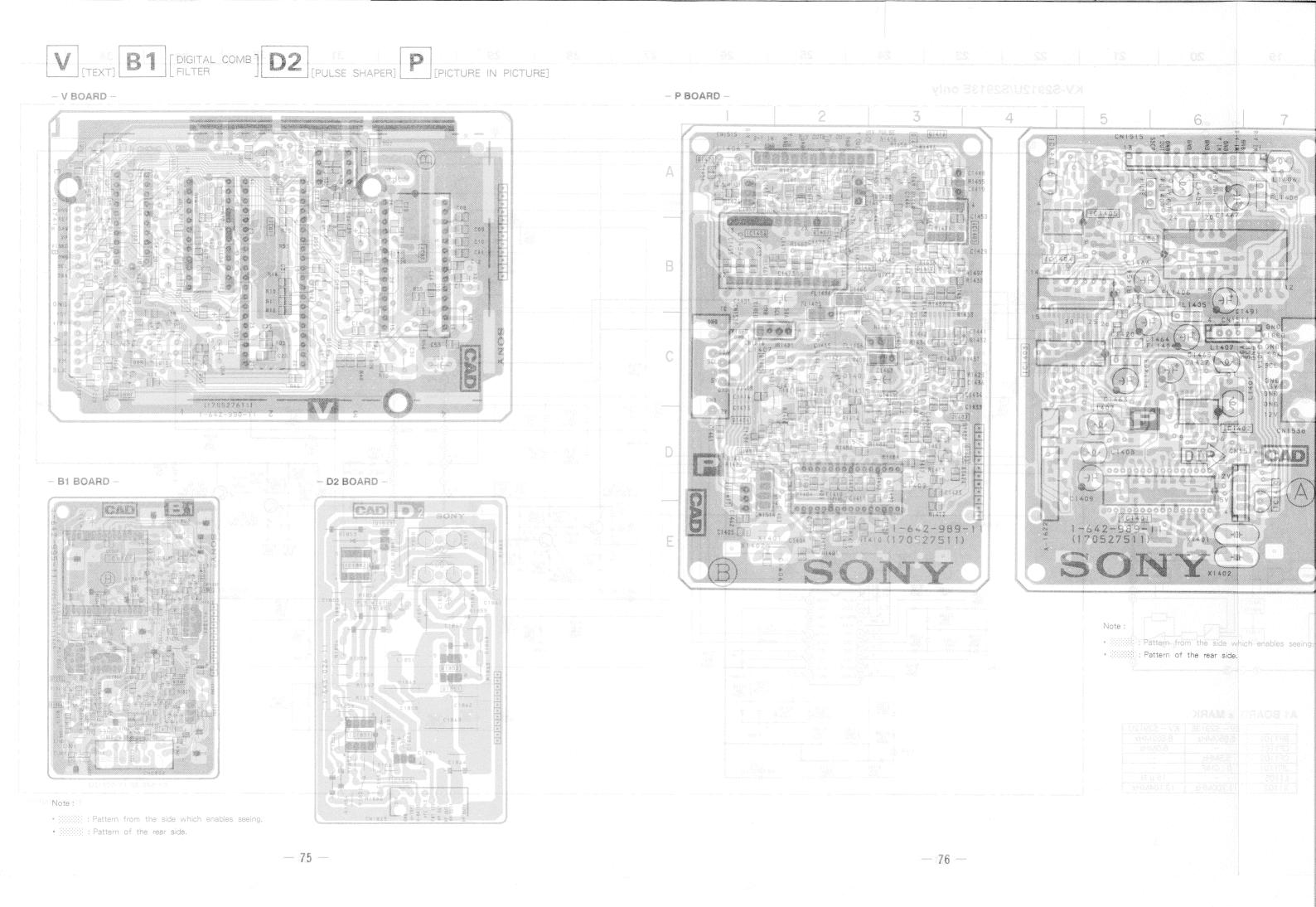
FAST SVITCHING

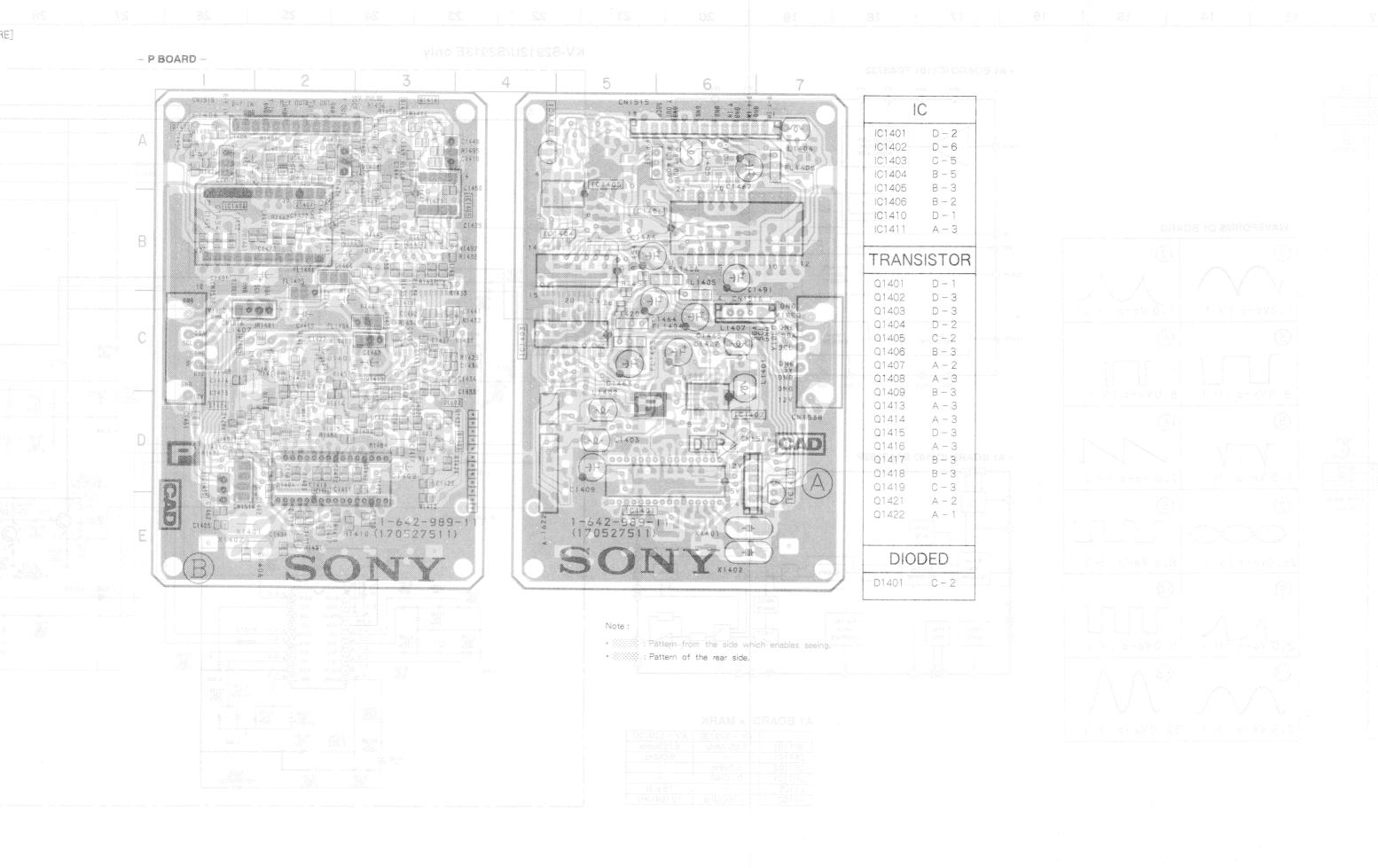


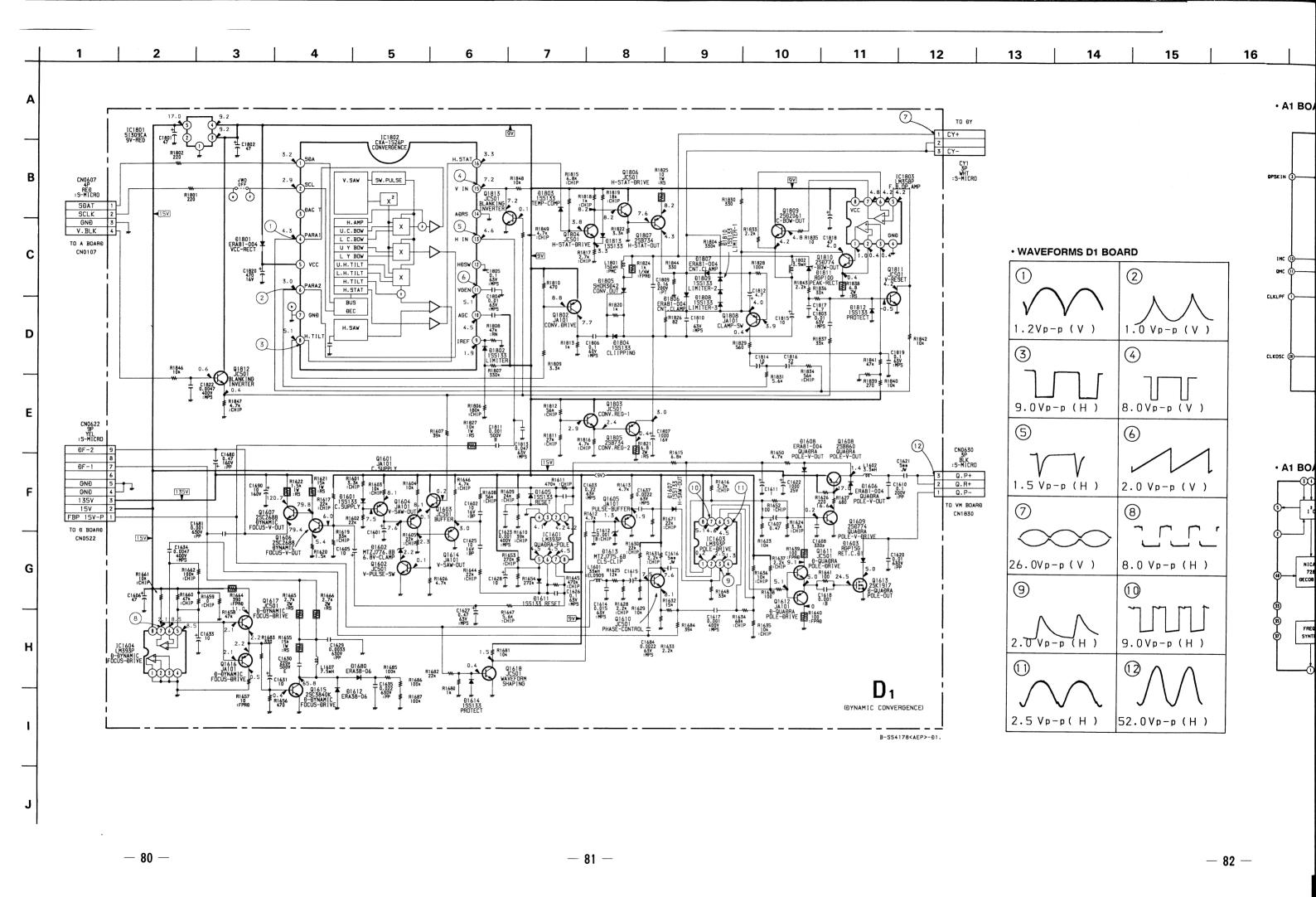


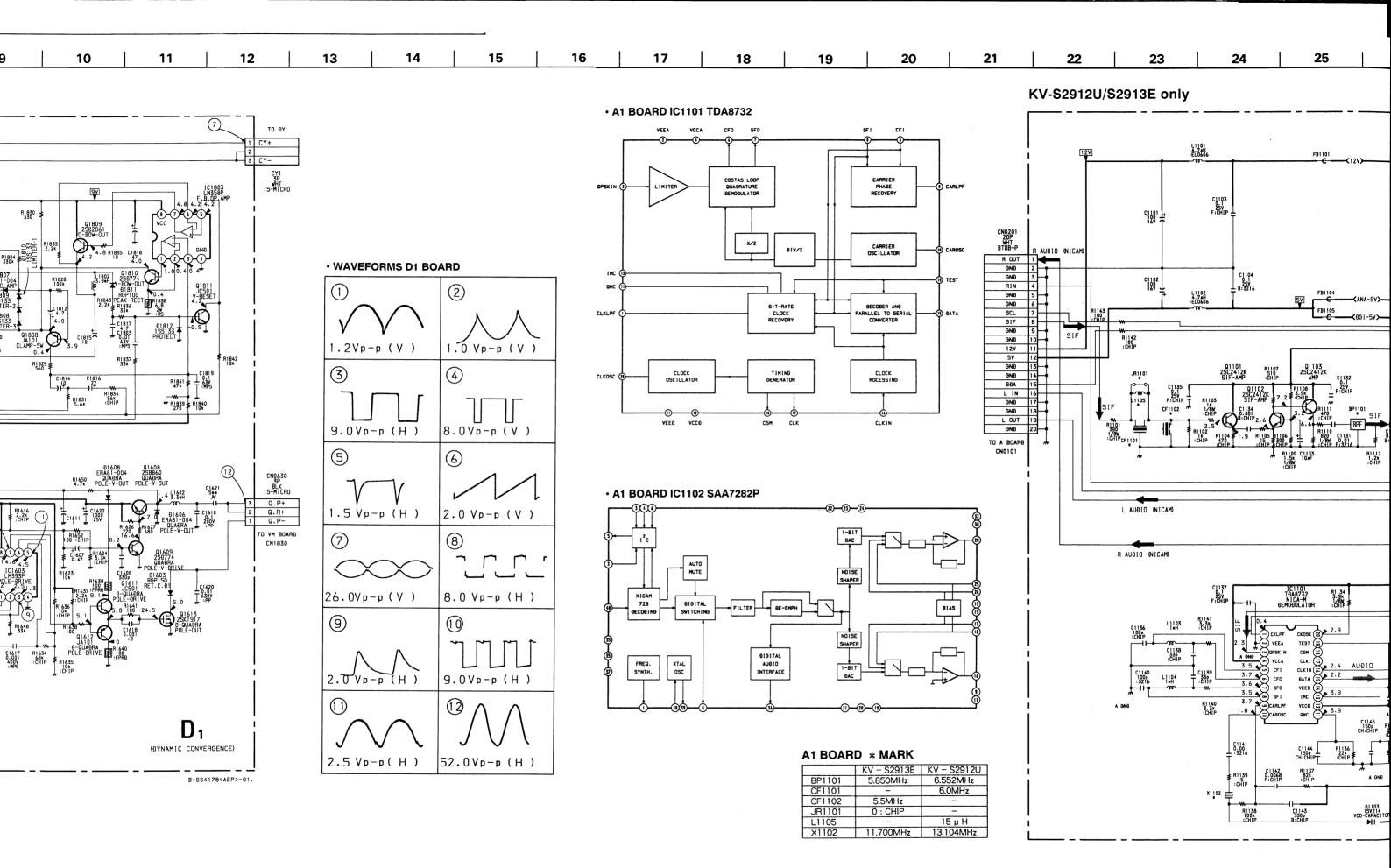
• WAVEFORMS D2 BOARD





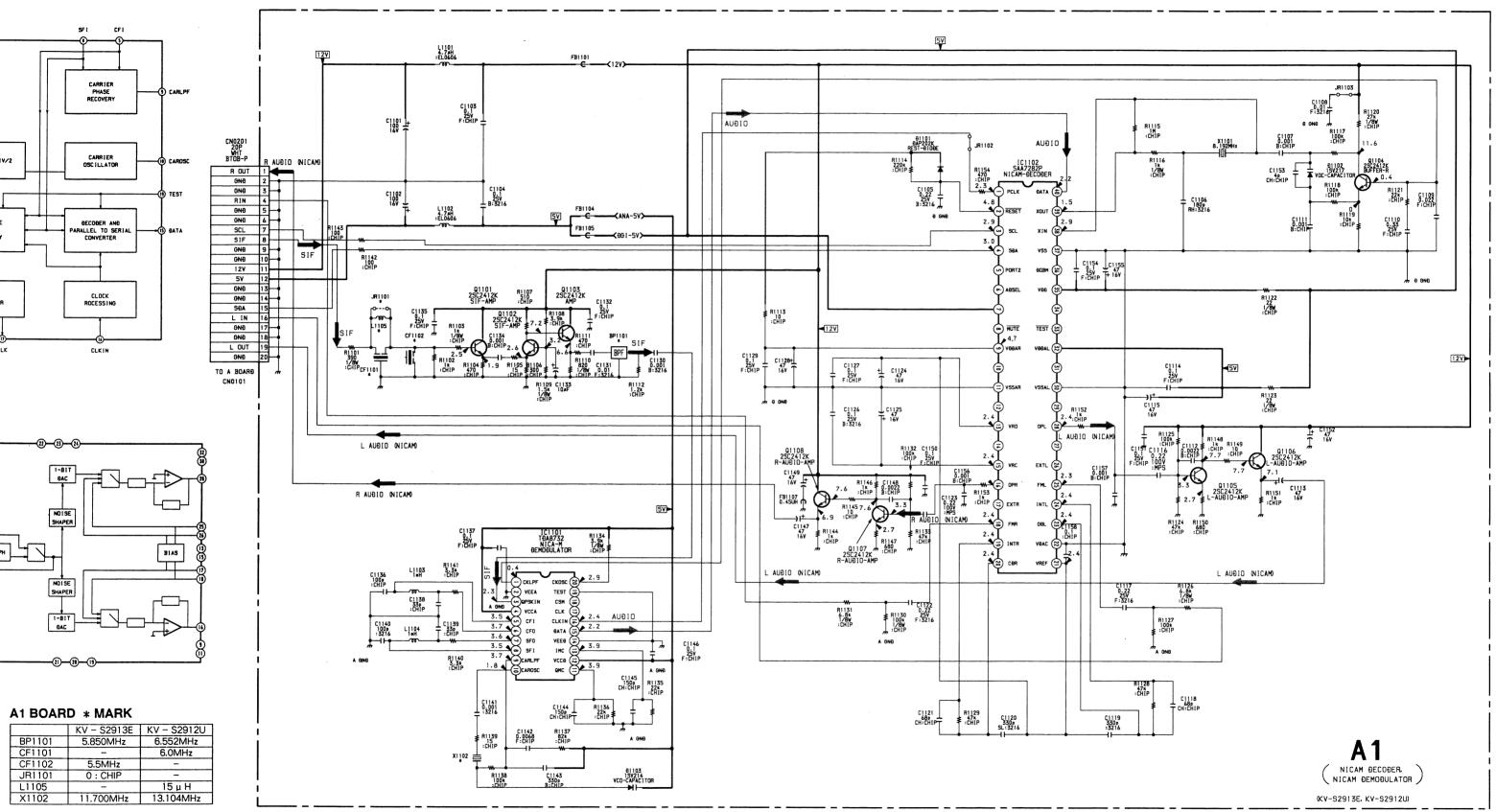








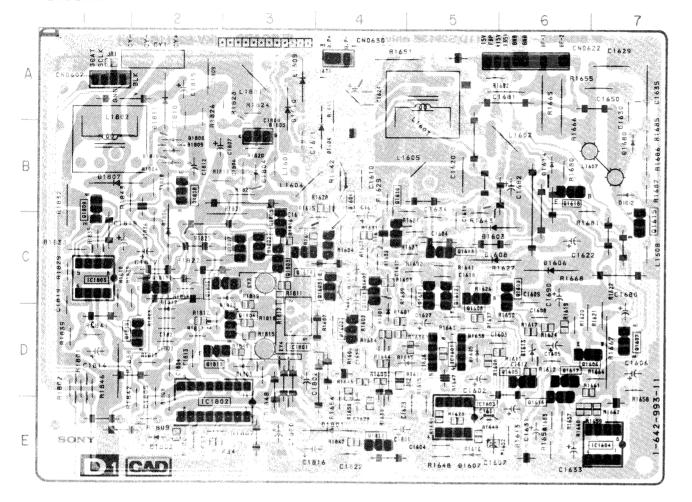




B-SS4178<AEP>-A1.

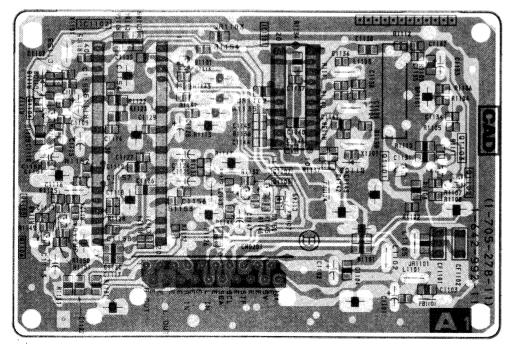


- D1 BOARD -



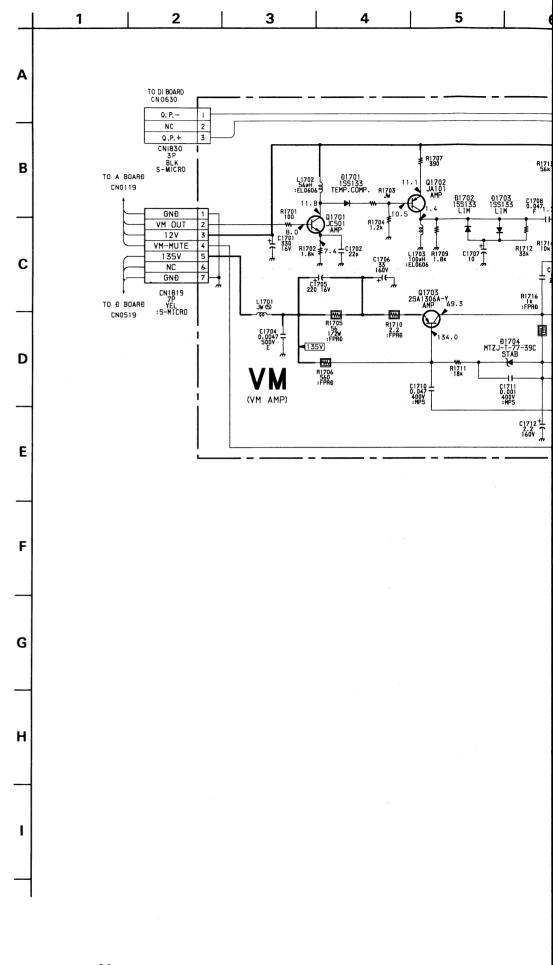
IC)	DIODE			
IC1601 IC1603 IC1604 IC1801 IC1802 IC1803	D - 5 E - 5 E - 7 D - 3 E - 2 C - 1	D1601 D1602 D1603 D1605 D1606 D1607 D1608 D1611	D - 4 C - 4 C - 5 D - 5 C - 6 D - 5 C - 5 D - 5		
TRANS	ISTOR	D1613 D1614	D - 6 B - 6		
Q1601 Q1602 Q1603 Q1604 Q1605 Q1606 Q1607 Q1608 Q1609 Q1610 Q1611 Q1612 Q1613 Q1614 Q1615 Q1618 Q16167 Q1618 Q1803 Q1804 Q1803 Q1804 Q1805 Q1807 Q1808 Q1809 Q1810 Q1811 Q1811 Q1811	C - 4 4 C C - 4 6 6 6 7 7 5 6 6 4 5 5 5 5 5 3 7 7 6 6 6 6 3 3 3 3 3 3 3 2 1 2 2 4 2 E - 2	D1680 D1801 D1802 D1803 D1804 D1805 D1806 D1807 D1808 D1809 D1810 D1811 D1812 D1813	B - 7 E - 4 E - 2 D - 3 B - 3 C - 2 B - 1 B - 2 B - 2 D - 3		

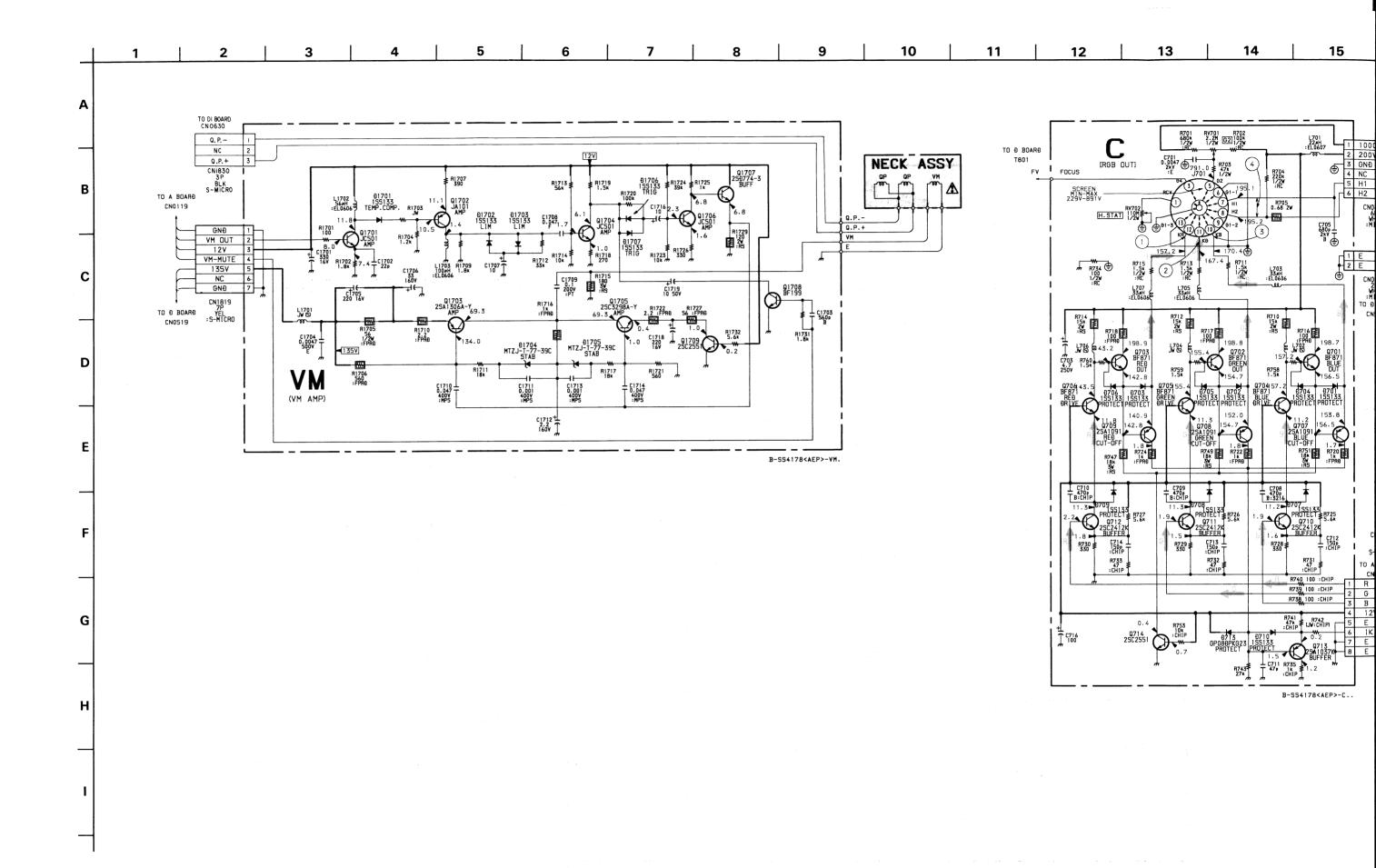
- A1 BOARD - KV-S2912U/S2913E only



Note

- Pattern from the side which enables seeing.
- : Pattern of the rear side.





-86 -

DDE

D - 4

C - 4

C - 5

D - 5

C - 6

D - 5 C - 5 D - 5

B - 7

D - 6

B - 6 B - 7 E - 4 E - 2

D - 3

B - 3

B – 3

C – 2 B – 1

B – 2

B - 2

B - 2

A – 2

D – 2 C – 3

— 87 —



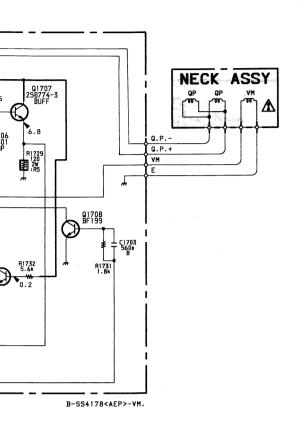
1.8 R730 330

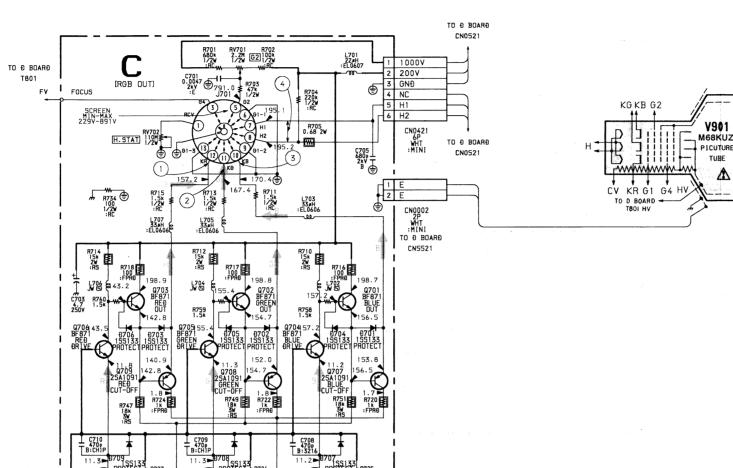
T C716

1.5 ■ R729 ≸ 330 ₹

R732







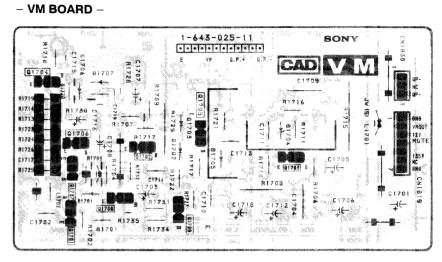
R740 100 :CHIP R739 100 :CHIP

B-SS4178<AEP>-C..

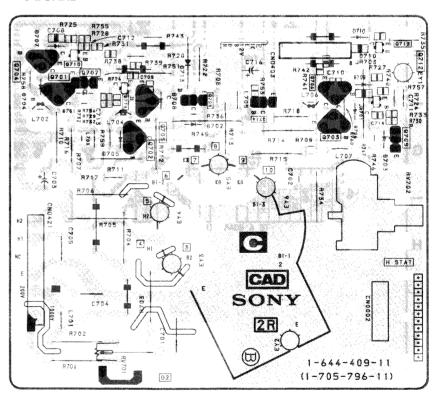
CN0403 8P REÐ S-MICRO

TO A BOARÐ CN0103

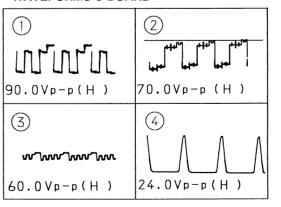
\/\\ DO 4 DD

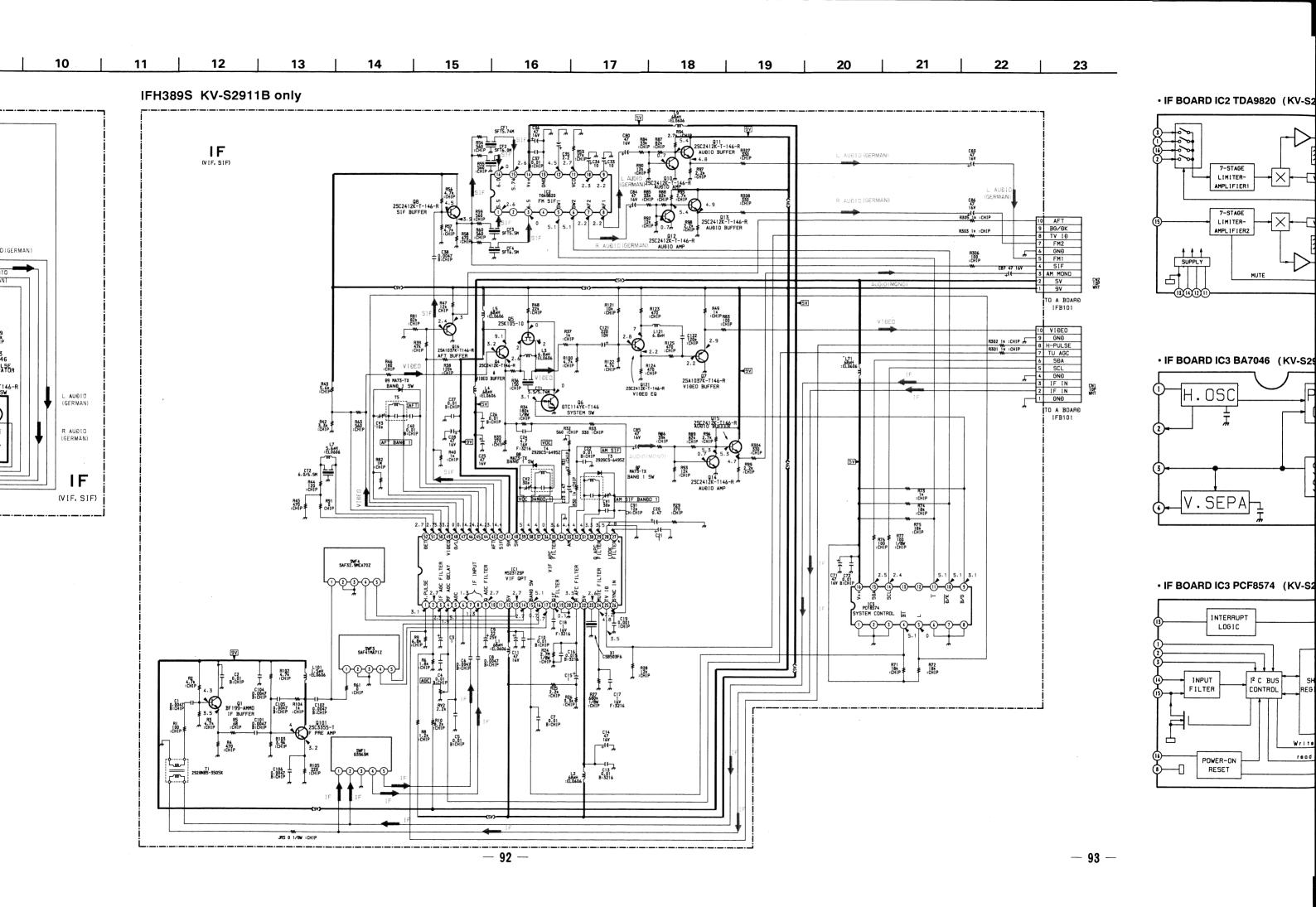


- C BOARD -



• WAVEFORMS C BOARD



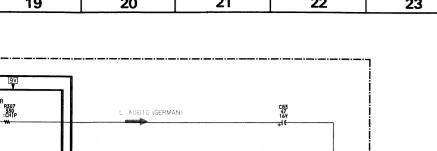






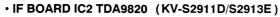
TO A BOARÐ IFB101

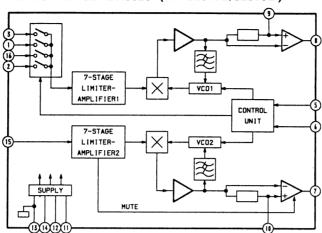
TO A BOARĐ IFB101

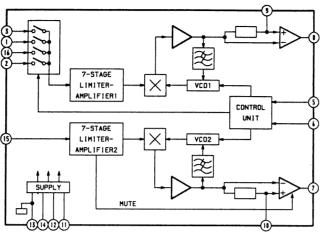


R AUDIO (GERMAN)

L71 68#H :EL0606

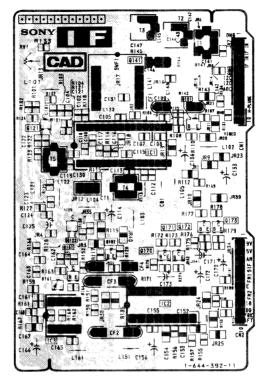




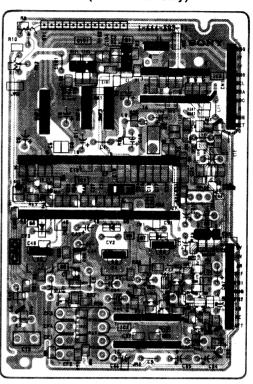


- IF BOARD - (KV-S2911D/S2913E only)

IF [VIF, SIF]



- IF BOARD - (KV-S2911B only)

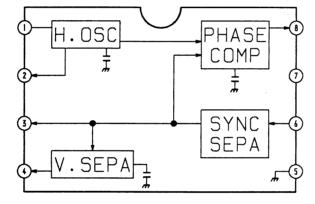


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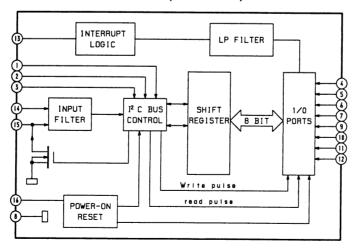
• See : Pattern of the rear side.

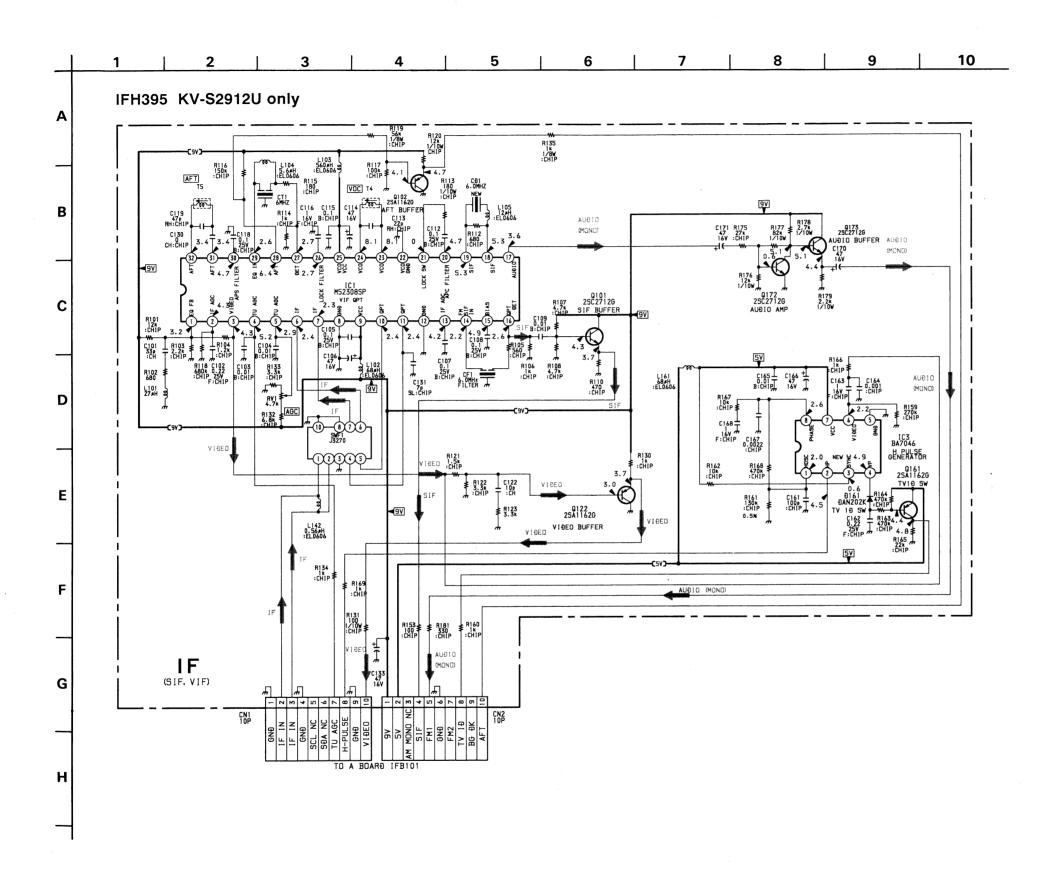
and which enables seeing.



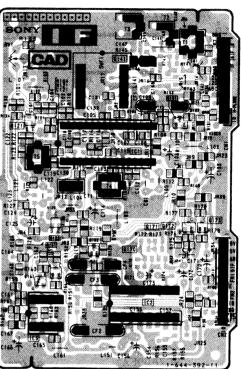


• IF BOARD IC3 PCF8574 (KV-S2911B)

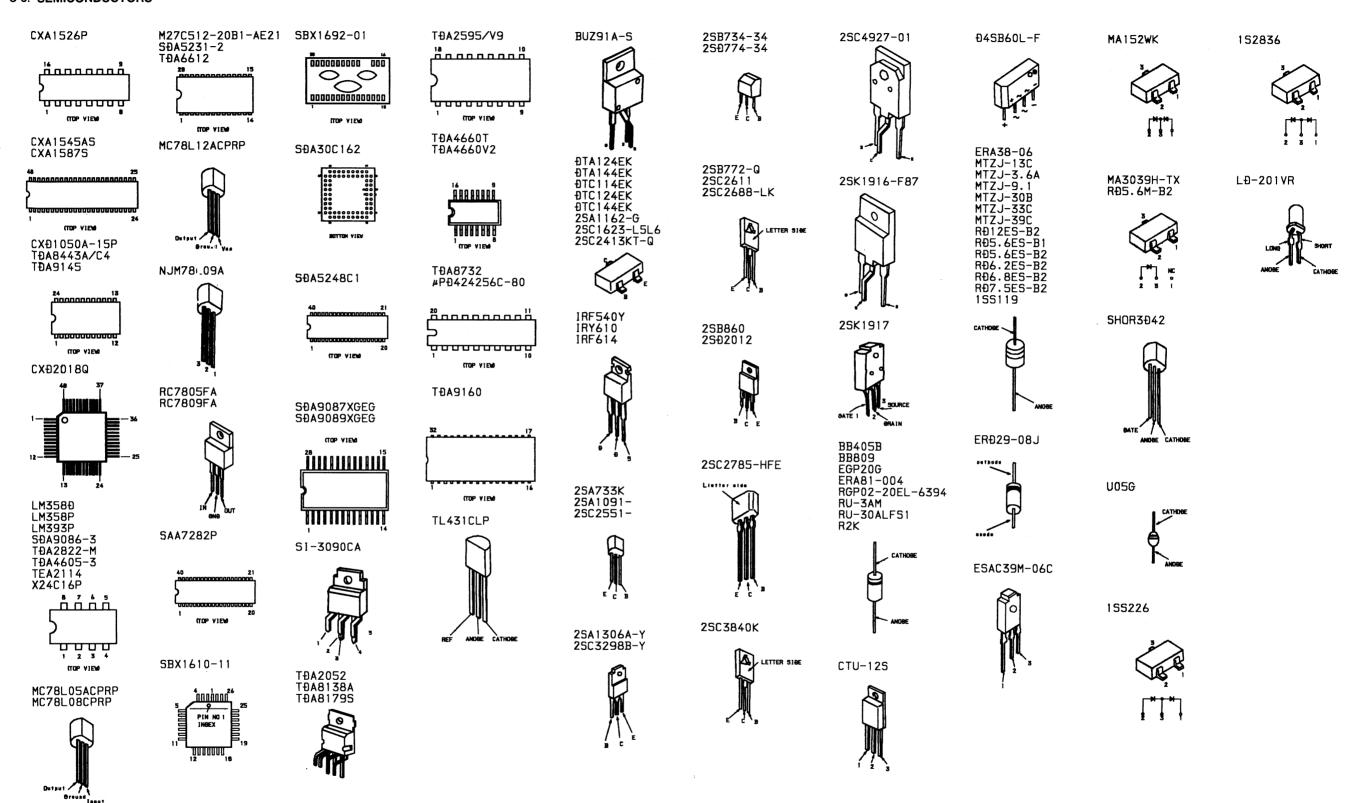




- IF BOARD - (KV-S2912U only)



5-5. SEMICONDUCTORS



SECTION 6 EXPLODED VIEWS

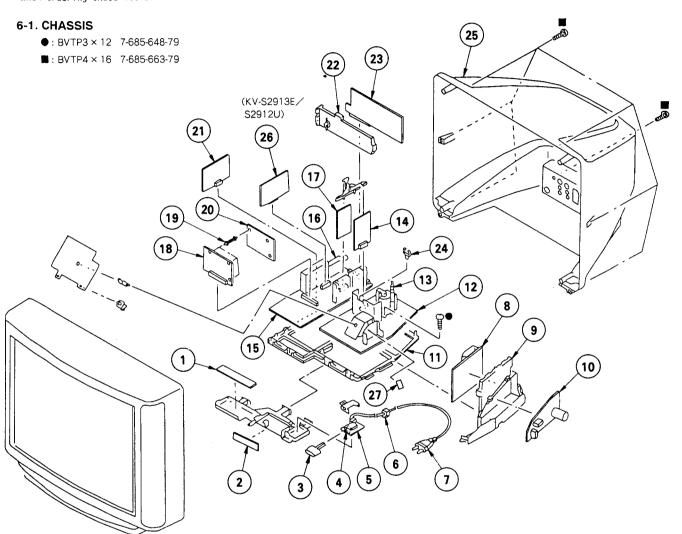
NOTE:

- NOTE:
 Items with no part number and no description are not stocked because they are seldom required for routine service.
 The construction parts of an assembled part are indicated with a collation number in the remark column.
 Items marked " * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety.

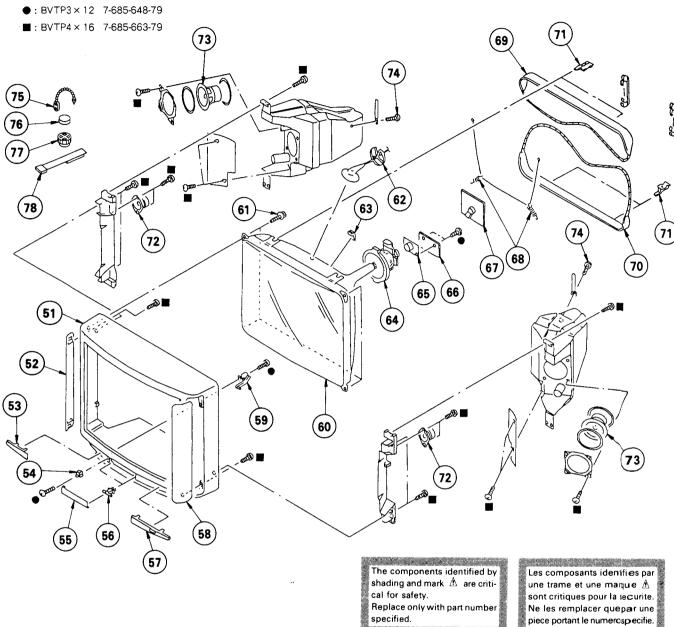
Replace only with part number specified.

Les composants identifies par une trame et une marque 🛦 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NC	D. PART NO.	DESCRIPTION	REMARK
4 ▲ 1-571-433-12	H1 BOARD H2 BOARD BUTTON, POWER SWITCH, PUSH (AC POWER) F1 BOARD, COMPLETE	Filips gross :	16	*A-1297-008-A *A-1297-012-A \$\Delta\$.1-693-184-11	A BOARD, COMPLETE A BOARD, COMPLETE A BOARD, COMPLETE TUNER (U944C) (KV-1 TUNER (UV916H) (KV-1	(KV-S2911D,S2913E) (KV-S2912U)
7	HOLDER, AC CORD CORD, POWER (WITH NOISE FILTER) (KY-S2911B,S2911C CORD, POWER (WITH PLUG) (KY-S291 D1 BOARD, COMPLETE), S2913E)	18 19	*A-1635-001-A *4-385-948-01 *A-1347-069-A	BI BOARD, COMPLETE M BOARD, COMPLETE HOLDER, PCB V BOARD, COMPLETE P BOARD, COMPLETE	
11	BRACKET, F F2 BOARD, COMPLETE BRACKET, MAIN D BOARD, COMPLETE TRANSFORMER ASSY, FLYBACK (NX-3C) D2 BOARD, COMPLETE	27 ()00A2)	22 23 24 25 26	*4-202-135-01 *A-1388-145-A *3-646-071-00 4-202-146-01 *A-1292-247-A *A-1292-248-A *1-646-681-11	A1 BOARD, COMPLETE	(KV-S2912U) (KV-S2913E)

6-2. PICTURE TUBE



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.	ÑO. PART NO.	DESCRIPTION	REMARK
61 62 63	X-4200-109-1 4-202-127-01 4-202-127-11 4-036-881-01 4-202-125-01 3-703-035-11 4-202-123-01 X-4200-110-1 X-4200-110-1 X-4200-110-1 X-4300-459-1 X-4300-459-1 X-4300-459-1 X-4300-495-01	CABINET ASSY (WITH BEZEL ASSY) GRILLE (L) ASSY, SPEAKER PLATE, ORNAMENTAL (KV-S2911B, S29 PLATE, ORNAMENTAL (KV-S2912U, S29 LOCK ASSY, DOOR DOOR SHAFT, LID WINDOW, ORNAMENTAL GRILLE (R) ASSY, SPEAKER DAMPER ASSY PICTURE TUBE (M68KUZ10X) SCREW (M), PT HOLDER, HY CABLE SPACER, DY DEFLECTION YOKE (Y29EXA)	913E) 	66 67 68 69 70 71 72 73 74	*A-1342-189-A *A-1331-223-A 4-369-318-00 A. 1-402-715-11 A. 1-402-716-11 4-202-112-01 1-504-121-21 1-504-145-11 4-388-870-00 1-452-032-00 1-452-094-00	NECK ASSY, PICTURE TUBE (NO VM BOARD, COMPLETE C BOARD, COMPLETE SPRING, TENSION COIL, DEGAUSSING CLIP SPEAKER (SQUAWKER) (5CM) SPEAKER (12CM) SCREW (4X16), TAPPING, +P CLIP, LEAD WIRE MAGNET, DISK; 10MM & MAGNET, ROTATABLE DISK; 15M PERMALLOY ASSY, CONVERGENCE	

SECTION 7 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark 🐧 are critical for safety. Replace only with part number specified.

Les composants identifies par une trame et une marque 🛕 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

• MF : μF, PF : μμF

• MMH : inH, UH : μH

R	E	S	I	S.	T	0	R\$	

- · All resistors are in ohms
- F : nonflammable

REF.NO. PART NO.	DESCRIPTION	RE	MARK	REF.NO.	PART NO.	DESCRIPTION	-	REM	IARK																																																																																																																																																																																				
*A-1131-037-A	B1 BOARD, COMPLETE			L1302 L1304 L1305	1-408-405-00 1-408-406-00 1-408-418-00		4.7UH 5.6UH 56UH																																																																																																																																																																																						
	'ACITOR>				<tr <="" td=""><td>ANSISTOR></td><td></td><td></td><td></td></tr> <tr><td>C1301 1-124-478-11 C1302 1-164-232-11 C1303 1-164-232-11 C1304 1-124-478-11 C1305 1-124-478-11</td><td>ELECT 100MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 100MF ELECT 100MF</td><td>20% 25V 10% 50V 10% 50V 20% 25V 20% 25V</td><td></td><td>Q1302 Q1305 Q1306</td><td>8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28 8-729-216-22</td><td>TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2</td><td>SC1623-L5L6 SA1162-G SC1623-L5L6</td><td></td><td></td></tr> <tr><td>C1306 1-164-232-11 C1307 1-164-232-11 C1308 1-124-478-11 C1309 1-124-910-11 C1310 1-124-917-11</td><td>ELECT 100MF ELECT 47MF ELECT 33MF</td><td>10% 50V 10% 50V 20% 25V 20% 50V 20% 50V</td><td>! !</td><td>Q1308 Q1309 Q1310 Q1311</td><td>8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22</td><td>TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2</td><td>SA1162-G SA1162-G SA1162-G SA1162-G</td><td></td><td></td></tr> <tr><td>C1311 1-163-101-00 C1312 1-124-907-11</td><td>CERAMIC CHIP 22PF ELECT 10MF ELECT 10MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF</td><td>5% 50 V 20% 50 V</td><td></td><td>1 41210</td><td>8-729-120-28</td><td>IKANSISIUK Z</td><td>SU1623-L5L6</td><td></td><td></td></tr> <tr><td>C1314 1-124-907-11 C1318 1-163-038-00</td><td>ELECT 10MF CERAMIC CHIP 0.1MF</td><td>20% 50V 25V</td><td>'</td><td></td><td></td><td>SISTOR></td><td></td><td></td><td></td></tr> <tr><td>C1319 1-163-031-11</td><td>CERAMIC CHIP 0.01MF</td><td>50 V</td><td></td><td>JR1 JR2</td><td>1-216-295-00 1-216-295-00 1-216-295-00</td><td>METAL GLAZE METAL GLAZE</td><td>0 5% 0 5%</td><td>1/10W 1/10W</td><td></td></tr> <tr><td>C1320 1-163-031-11 C1321 1-163-101-00 C1322 1-163-101-00 C1323 1-163-109-00</td><td>CERAMIC CHIP 0.01MF CERAMIC CHIP 22PF CERAMIC CHIP 22PF CEBAMIC CHIP 47PF CERAMIC CHIP 470PF</td><td>50 V 5% 50 V 5% 50 V 5% 50 V</td><td></td><td>JR3 JR4 JR5</td><td>1-216-295-00 1-216-296-00 1-216-296-00</td><td>METAL GLAZE</td><td>0 5% 0 5% 0 5% 0 5%</td><td>1/10W 1/8W 1/8W</td><td></td></tr> <tr><td></td><td>CERAMIC CHIP 470PF</td><td>5% 50v</td><td></td><td>JR7</td><td>1-216-295-00 1-216-295-00</td><td>METAL GLAZE</td><td>0 5% 0 5% 8.2K 5%</td><td>1/10W 1/10W</td><td></td></tr> <tr><td>C1325 1-163-169-00 C1327 1-163-038-00 C1333 1-164-232-11</td><td>CERAMIC CHIP 33PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF</td><td>5% 50 V 25 V 10% 50 V</td><td></td><td>R1301</td><td>1-216-071-00 1-216-083-00 1-216-051-00</td><td>METAL GLAZE METAL GLAZE</td><td>8.2K 5% 27K 5% 1.2K 5%</td><td>1/10W 1/10W 1/10W</td><td></td></tr> <tr><td><con< td=""><td>NECTOR></td><td></td><td></td><td>R1304</td><td>1-216-043-00 1-216-067-00</td><td>METAL GLAZE</td><td>560 5% 5.6K 5% 1K 5%</td><td>1/10W 1/10W</td><td></td></con<></td></tr> <tr><td>CNO302*1-573-299-11</td><td>NECTOR> CONNECTOR, BOARD TO BOAR</td><td>D 10P</td><td></td><td>R1306 R1307 R1308</td><td>1-216-049-00 1-216-049-00 1-216-025-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>1K 5% 1K 5% 100 5%</td><td>1/10W 1/10W 1/10W</td><td></td></tr> <tr><td>< 0.10</td><td>DE></td><td></td><td></td><td>R1310</td><td>1-216-067-00</td><td>METAL GLAZE</td><td>5.6K 5%</td><td>1/10W</td><td></td></tr> <tr><td>D1302 8-719-400-18</td><td>DIODE MA152WK</td><td></td><td></td><td>R1312 R1313 R1314</td><td>1-216-035-00 1-216-059-00 1-216-216-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>1.2K 5% 270 5% 2.7K 5% 5.6K 5%</td><td>1/10W 1/10W 1/10W 1/8W</td><td></td></tr> <tr><td>FILT201 1 026 600 11</td><td>TER></td><td></td><td></td><td>R1315</td><td>1-216-043-00</td><td>METAL GLAZE</td><td>560 5%</td><td>1/10W</td><td></td></tr> <tr><td>FL1301 1-236-620-11 FL1302 1-236-620-11 FL1303 1-236-620-11 FL1304 1-236-164-11</td><td>DDE> DIODE MAI52WK TER> FILTER, LOW PASS FILTER, LOW PASS FILTER, LOW PASS ENCAPSULATED COMPONENT</td><td></td><td></td><td>R1316 R1319 R1320 R1321</td><td>1-216-049-00 1-216-055-00 1-216-043-00 1-216-204-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>1K 5% 1.8K 5% 560 5% 1.8K 5%</td><td>1/10W 1/10W 1/10W 1/8W</td><td></td></tr> <tr><td><10></td><td></td><td></td><td></td><td>R1322</td><td>1-216-067-00 1-216-049-00</td><td>METAL GLAZE METAL GLAZE</td><td>5.6K 5% 1K 5%</td><td>1/10W 1/10W</td><td></td></tr> <tr><td>IC1301 8-741-692-01</td><td></td><td></td><td></td><td>R1326 R1327</td><td>1-216-202-00 1-216-059-00 1-216-043-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>1.5K 5% 2.7K 5% 560 5%</td><td>1/8W 1/8W 1/10W 1/10W</td><td></td></tr> <tr><td>- <c01< td=""><td></td><td></td><td></td><td>R1329</td><td>1-216-043-00 1-216-073-00</td><td>METAL GLAZE METAL GLAZE</td><td>560 5% 10K 5%</td><td>1/10W 1/10W</td><td></td></c01<></td></tr> <tr><td>L1301 1-408-405-00</td><td>INDUCTOR 4.7UH</td><td></td><td></td><td>R1331</td><td>1-216-069-00</td><td>METAL GLAZE</td><td>6.8K 5%</td><td>1/10W</td><td></td></tr>	ANSISTOR>				C1301 1-124-478-11 C1302 1-164-232-11 C1303 1-164-232-11 C1304 1-124-478-11 C1305 1-124-478-11	ELECT 100MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF ELECT 100MF ELECT 100MF	20% 25V 10% 50V 10% 50V 20% 25V 20% 25V		Q1302 Q1305 Q1306	8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28 8-729-216-22	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC1623-L5L6 SA1162-G SC1623-L5L6			C1306 1-164-232-11 C1307 1-164-232-11 C1308 1-124-478-11 C1309 1-124-910-11 C1310 1-124-917-11	ELECT 100MF ELECT 47MF ELECT 33MF	10% 50V 10% 50V 20% 25V 20% 50V 20% 50V	! !	Q1308 Q1309 Q1310 Q1311	8-729-216-22 8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SA1162-G SA1162-G SA1162-G SA1162-G			C1311 1-163-101-00 C1312 1-124-907-11	CERAMIC CHIP 22PF ELECT 10MF ELECT 10MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF	5% 50 V 20% 50 V		1 41210	8-729-120-28	IKANSISIUK Z	SU1623-L5L6			C1314 1-124-907-11 C1318 1-163-038-00	ELECT 10MF CERAMIC CHIP 0.1MF	20% 50V 25V	'			SISTOR>				C1319 1-163-031-11	CERAMIC CHIP 0.01MF	50 V		JR1 JR2	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE	0 5% 0 5%	1/10W 1/10W		C1320 1-163-031-11 C1321 1-163-101-00 C1322 1-163-101-00 C1323 1-163-109-00	CERAMIC CHIP 0.01MF CERAMIC CHIP 22PF CERAMIC CHIP 22PF CEBAMIC CHIP 47PF CERAMIC CHIP 470PF	50 V 5% 50 V 5% 50 V 5% 50 V		JR3 JR4 JR5	1-216-295-00 1-216-296-00 1-216-296-00	METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/10W 1/8W 1/8W			CERAMIC CHIP 470PF	5% 50v		JR7	1-216-295-00 1-216-295-00	METAL GLAZE	0 5% 0 5% 8.2K 5%	1/10W 1/10W		C1325 1-163-169-00 C1327 1-163-038-00 C1333 1-164-232-11	CERAMIC CHIP 33PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF	5% 50 V 25 V 10% 50 V		R1301	1-216-071-00 1-216-083-00 1-216-051-00	METAL GLAZE METAL GLAZE	8.2K 5% 27K 5% 1.2K 5%	1/10W 1/10W 1/10W		<con< td=""><td>NECTOR></td><td></td><td></td><td>R1304</td><td>1-216-043-00 1-216-067-00</td><td>METAL GLAZE</td><td>560 5% 5.6K 5% 1K 5%</td><td>1/10W 1/10W</td><td></td></con<>	NECTOR>			R1304	1-216-043-00 1-216-067-00	METAL GLAZE	560 5% 5.6K 5% 1K 5%	1/10W 1/10W		CNO302*1-573-299-11	NECTOR> CONNECTOR, BOARD TO BOAR	D 10P		R1306 R1307 R1308	1-216-049-00 1-216-049-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 1K 5% 100 5%	1/10W 1/10W 1/10W		< 0.10	DE>			R1310	1-216-067-00	METAL GLAZE	5.6K 5%	1/10W		D1302 8-719-400-18	DIODE MA152WK			R1312 R1313 R1314	1-216-035-00 1-216-059-00 1-216-216-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.2K 5% 270 5% 2.7K 5% 5.6K 5%	1/10W 1/10W 1/10W 1/8W		FILT201 1 026 600 11	TER>			R1315	1-216-043-00	METAL GLAZE	560 5%	1/10W		FL1301 1-236-620-11 FL1302 1-236-620-11 FL1303 1-236-620-11 FL1304 1-236-164-11	DDE> DIODE MAI52WK TER> FILTER, LOW PASS FILTER, LOW PASS FILTER, LOW PASS ENCAPSULATED COMPONENT			R1316 R1319 R1320 R1321	1-216-049-00 1-216-055-00 1-216-043-00 1-216-204-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 1.8K 5% 560 5% 1.8K 5%	1/10W 1/10W 1/10W 1/8W		<10>				R1322	1-216-067-00 1-216-049-00	METAL GLAZE METAL GLAZE	5.6K 5% 1K 5%	1/10W 1/10W		IC1301 8-741-692-01				R1326 R1327	1-216-202-00 1-216-059-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 5% 2.7K 5% 560 5%	1/8W 1/8W 1/10W 1/10W		- <c01< td=""><td></td><td></td><td></td><td>R1329</td><td>1-216-043-00 1-216-073-00</td><td>METAL GLAZE METAL GLAZE</td><td>560 5% 10K 5%</td><td>1/10W 1/10W</td><td></td></c01<>				R1329	1-216-043-00 1-216-073-00	METAL GLAZE METAL GLAZE	560 5% 10K 5%	1/10W 1/10W		L1301 1-408-405-00	INDUCTOR 4.7UH			R1331	1-216-069-00	METAL GLAZE	6.8K 5%	1/10W	
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C1314 1-124-907-11 C1318 1-163-038-00	ELECT 10MF CERAMIC CHIP 0.1MF	20% 50V 25V	'			SISTOR>																																																																																																																																																																																							
C1319 1-163-031-11	CERAMIC CHIP 0.01MF	50 V		JR1 JR2	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE	0 5% 0 5%	1/10W 1/10W																																																																																																																																																																																					
C1320 1-163-031-11 C1321 1-163-101-00 C1322 1-163-101-00 C1323 1-163-109-00	CERAMIC CHIP 0.01MF CERAMIC CHIP 22PF CERAMIC CHIP 22PF CEBAMIC CHIP 47PF CERAMIC CHIP 470PF	50 V 5% 50 V 5% 50 V 5% 50 V		JR3 JR4 JR5	1-216-295-00 1-216-296-00 1-216-296-00	METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/10W 1/8W 1/8W																																																																																																																																																																																					
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C1325 1-163-169-00 C1327 1-163-038-00 C1333 1-164-232-11	CERAMIC CHIP 33PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF	5% 50 V 25 V 10% 50 V		R1301	1-216-071-00 1-216-083-00 1-216-051-00	METAL GLAZE METAL GLAZE	8.2K 5% 27K 5% 1.2K 5%	1/10W 1/10W 1/10W																																																																																																																																																																																					
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CNO302*1-573-299-11	NECTOR> CONNECTOR, BOARD TO BOAR	D 10P		R1306 R1307 R1308	1-216-049-00 1-216-049-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 1K 5% 100 5%	1/10W 1/10W 1/10W																																																																																																																																																																																					
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D1302 8-719-400-18	DIODE MA152WK			R1312 R1313 R1314	1-216-035-00 1-216-059-00 1-216-216-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.2K 5% 270 5% 2.7K 5% 5.6K 5%	1/10W 1/10W 1/10W 1/8W																																																																																																																																																																																					
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<10>				R1322	1-216-067-00 1-216-049-00	METAL GLAZE METAL GLAZE	5.6K 5% 1K 5%	1/10W 1/10W																																																																																																																																																																																					
IC1301 8-741-692-01				R1326 R1327	1-216-202-00 1-216-059-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 5% 2.7K 5% 560 5%	1/8W 1/8W 1/10W 1/10W																																																																																																																																																																																					
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L1301 1-408-405-00	INDUCTOR 4.7UH			R1331	1-216-069-00	METAL GLAZE	6.8K 5%	1/10W																																																																																																																																																																																					

Les composants identifies par une trame et une marque 🐧 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
R1332 1-216-069-00 R1333 1-216-067-00 R1334 1-216-055-00 R1341 1-216-089-00 R1342 1-216-073-00	METAL GLAZE METAL GLAZE	6.8K 5% 5.6K 5% 1.8K 5% 47K 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		RY661 <i>A</i>	<rel 1-515+720+31</rel 	AY>		
R1343 1-216-057-00 R1344 1-216-065-00		2.2K 5% 4.7K 5%	1/10W 1/10W		mrra.e>1		RMISTOR>		
**********	*********	*******	*******	*******			THERMISTOR, POSITIVE		
*A-1241-079-A	F2 BOARD, COM						**************************************	******	*******
*4-341-751-01 *4-341-752-01	EYELET (EY650 EYELET (EY601),EY652,EY 1~EY617)	665~EY675,	, EY677)		1-533-230-11	++++++++++++++++++++++++++++++++++++++		
	PACITOR>					*4-341-751-01 *4-341-752-01	EYELET (EY691,EY692)		
C661 ▲ 1-136-519-11		0.47MF	20%	300V		<con< td=""><td>NECTOR></td><td></td><td></td></con<>	NECTOR>		
C662 A 1-136-518-11 C664 A 1-164-246-51	FILM CERAMIC	0.33MF 0.0022MF	20% 20%	300V 400V		*1~580~844~11	PIN, CONNECTOR (POWER)		
C666 1-124-120-11 C667 1-126-233-11	ELECT ELECT	220MF 22MF	20 % 20 %	25V 50V	CN0831	*1-695-292-11	PIN, CONNECTOR (POWER)		
С672 <u>А</u> . 1-161-964-61 С673 <u>А</u> . 1-161-964-61	CERANIC CERANIC	0.0047MF 0.0047MF		250V 250V		<fus< td=""><td>E></td><td></td><td></td></fus<>	E>		
C674 A. 1-125-555-11	ELECT	330MF	20%	400V	F651 🛦	. 1-576-232-21	FUSE (H.B.C.) 5A/250V	Tishbi	
<001	NNECTOR>					<swi< td=""><td>TCH></td><td></td><td></td></swi<>	TCH>		
CN0005*1-508-765-00 CN0006*1-508-765-00	PIN, CONNECTO	OR (5MM PI'	CCH) 3P		S651 A	1-571-433-12	SWITCH, PUSH (AC POWER)	rija da Sila	ed Mar
CN0007*1-508-786-00 CN0924*1-568-878-51	PIN, CONNECTO PIN, CONNECTO	DR (5MM PI' DR 3P	rch) 2P		*****	*********	************	******	*******
CN0925*1-695-294-11	PIN, CONNECTO	OR (PC BOA					A1 BOARD, COMPLETE (KV-		
CN0929*1-508-766-00 CN0931*1-691-291-11	PIN, CONNECTO PIN, CONNECTO	OR (5MM PI' OR (PC BOA	PCH) 4P RD) 5P			*A-1292-248-A	A1 BOARD, COMPLETE (KV-	-S2913E)	
<010	DDE>					<fil< td=""><td>TER></td><td></td><td></td></fil<>	TER>		
D661 8-719-911-19 D662 8-719-400-18	DIODE 188119 DIODE MA152WH				BP1101	1-236-238-12	FILTER, BAND PASS (KV-S	52912U)	
D663 A. 8-719-510-63 D664 8-719-921-69	DIODE D4SB601	L-F	Est Dyna		CF1101 CF1102	1-409-333-00	TRAP, CERAMIC (6.0MHZ) TRAP, CERAMIC (5.5MHZ)	(KV-S29	12U) 13E)
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LP661A 1-424-436-11	TRANSFORMER	TING DILT	a perior parti		C1101	1-126-101-11	ACITOR> ELECT 100MF	20%	16V
LF662A 1-424-436-11 LF663A 1-421-862-11	TRANSFORMER,	LINE FILT	Σ R		C1102	1-126-101-11 1-126-101-11 1-163-038-00	ELECT 100MF CERAMIC CHIP 0.1MF	20%	16V 25V
					C1104 C1105	1-163-077-00 1-163-081-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.22MF	10%	25V 25V
8.644	ANSISTOR>				C1106	1-163-437-91	CERAMIC CHIP 180PF	5 %	50 V
Q661 8-729-120-28	TRANSISTOR 25	SC1623-L5L	Ò		C1108	1-163-009-11 1-163-059-00	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.01MF	10%	50V 50V
<re:< td=""><td>SISTOR></td><td></td><td></td><td></td><td>C1109 C1110</td><td>1-163-033-00 1-164-336-11</td><td>CERAMIC CHIP 0.022MF CERAMIC CHIP 0.33MF</td><td></td><td>50V 25V</td></re:<>	SISTOR>				C1109 C1110	1-163-033-00 1-164-336-11	CERAMIC CHIP 0.022MF CERAMIC CHIP 0.33MF		50V 25V
R663 A. 1-244-945-91 R664 A. 1-205-998-11	WIREWOUND	IM 5% 1 5%		F	C1111 C1112	1-163-009-11 1-164-161-11	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.0022MF	10% 10%	50V 50V
R665 △ . 1-218-265-91 R666 1-249-405-11	CARBON	_ 8.2M 5% 100 5%	1W 1/4W	F	C1113 C1114	1-124-477-11 1-163-038-00	ELECT 47MF CERAMIC CHIP 0.1MF	20%	16V 25V
R667 1-249-430-11 R668 1-249-434-11	CARBON	12K 5%	1/4W			1-124-477-11	ELECT 47MF	20%	167
R669	CARBON WIREWOUND : WIREWOUND :	27K 5% 1.2 5% 1 5%	1/4W 10W 10W	F F	C1116 C1117 C1118	1-137-031-11 1-163-081-00 1-163-113-00	FILM 0.22MF CERAMIC CHIP 0.22MF CERAMIC CHIP 68PF	10% 5%	100V 25V 50V
R671 1-249-415-11	CARBON	680 5%	1/40	F	C1119	1-163-193-00	CERAMIC CHIP 330PF CERAMIC CHIP 330PF	5% 5%	50V 50V
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REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
C1121 1-163-113-00 C1122 1-163-081-00	CERAMIC CHIP 68PF CERAMIC CHIP 0.22MF	5%	50 V 2 5V		<c0i< td=""><td>L></td><td></td><td></td></c0i<>	L>		
C1123 1-137-031-11 C1124 1-124-477-11	FILM 0.22MF ELECT 47MF	10% 20%	100V 16V	L1102		INDUCTOR	4.7UH 4.7UH	
C1125 1-124-477-11 C1126 1-163-077-00	ELECT 47MF CERAMIC CHIP 0.1MF	20% 10%	16V 25V	L1104	1-410-119-11 1-410-119-11 1-408-411-00		1MMH 1MMH 15UH (KV-	S2912II)
C1127 1-163-038-00 C1128 1-124-477-11	CERAMIC CHIP 0.1MF ELECT 47MF	20%	25V 16V				130 (<i>2</i> 2 7 1 2 0 7
C1129 1-163-038-00 C1130 1-163-205-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.001MF	10%	25 V 50 V	Q1101		NSISTOR> TRANSISTOR 2S	SC1623-L5L6	
C1131 1-163-059-00 C1132 1-163-038-00	CERAMIC CHIP 0.1MF	20%	50V 25V	Q1102 Q1103	8-729-120-28 8-729-120-28	TRANSISTOR 25 TRANSISTOR 25	SC1623-L5L6 SC1623-L5L6	
C1133 1-124-907-11 C1134 1-163-009-11 C1135 1-163-038-00	ELECT 10MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.1MF	20% 10%	50V 50V 25V	Q1104 Q1105	8-729-120-28 8-729-120-28	TRANSISTOR 2S	SC1623-L5L6	
C1136 1-163-117-00 C1137 1-163-038-00	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.1MF CERAMIC CHIP 100PF CERAMIC CHIP 33PF CERAMIC CHIP 33PF CERAMIC CHIP 33PF CERAMIC CHIP 30PF	5%	50V 25V	Q1106 Q1107	8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SC1623-L5L6	
C1138 1-163-105-00 C1139 1-163-105-00	CERAMIC CHIP 33PF CERAMIC CHIP 33PF	5% 5% 5%	50V 50V	41100			701025 E3E0	
C1140 1-163-181-00 C1141 1-163-205-00	CERAMIC CHIP 100PF CERAMIC CHIP 0.001MF	5% 5%	50V 50V	JR1101		ISTOR>	0 5%	1/8W
C1142 1-163-019-00 C1143 1-163-003-11	CERAMIC CHIP 0.0068MF CERAMIC CHIP 330PF	10%	50 V 50 V	JR1102	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE	0 5%	(KV-S2913E) 1/8W
C1144 1-163-121-00 C1145 1-163-121-00	CERAMIC CHIP 150PF CERAMIC CHIP 150PF	5% 5%	50V 50V	JR1103		METAL GLAZE	0 5% 0 5% 0 5%	1/8W 1/10W
C1146 1-163-038-00 C1147 1-124-477-11 C1148 1-164-161-11	CERAMIC CHIP 0.1MF ELECT 47MF CERAMIC CHIP 0.0022MF	20% 10%	25V 16V 50V		1-216-188-00 1-216-049-00 1-216-198-00	METAL GLAZE METAL GLAZE METAL GLAZE	390 5% 1K 5% 1K 5% 470 5%	1/8W 1/10W 1/8W
C1149 1-124-477-11 C1150 1-163-038-00	ELECT 47MF CERAMIC CHIP 0.1MF	20%	16V 25V	R1104	1-216-041-00	METAL GLAZE METAL GLAZE	470 5% 15 5%	1/10W 1/10W 1/10W
C1151 1-163-038-00 C1152 1-124-477-11	CERAMIC CHIP 0.1MF	202	25V 16V	R1106 R1107	1-216-036-00 1-216-042-00	METAL GLAZE METAL GLAZE	300 5% 510 5%	1/10W 1/10W
C1153 1-163-087-00 C1154 1-163-038-00	CERAMIC CHIP 0.1MF ELECT 47MF CERAMIC CHIP 4PF CERAMIC CHIP 0.1MF	0.25PF	50V 25V	R1108 R1109	1-216-063-00 1-216-202-00	METAL GLAZE METAL GLAZE	3.9K 5% 1.5K 5%	1/10W 1/8W
C1155 1-124-477-11 C1156 1-163-009-11		20% 10%	16V 50V	1	1-216-196-00		820 5% 470 5%	1/8₩ 1/10W
C1157 1-163-009-11 C1158 1-163-038-00	CERAMIC CHIP 0.001MF	10%	50V 25V	R1113		METAL GLAZE METAL GLAZE METAL GLAZE	470 5% 1.2K 5% 10 5% 220K 5%	1/10W 1/10W 1/10W
<com< td=""><td>INECTOR></td><td></td><td></td><td>R1115</td><td>1-216-121-00</td><td>METAL GLAZE</td><td>1M 5%</td><td>1/10W</td></com<>	INECTOR>			R1115	1-216-121-00	METAL GLAZE	1M 5%	1/10W
CN0201 1-695-300-11	CONNECTOR, BOARD TO BOA	ARD 20P		R1117	1-216-198-00 1-216-097-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 100K 5% 100K 5%	1/8W 1/10W 1/10W
<010	DDE>			R1119 R1120	1-216-073-00 1-216-232-00	METAL GLAZE METAL GLAZE	10K 5% 27K 5%	1/10W 1/8W
D1102 8-719-027-70	DIODE 1S2836 DIODE 1SV217-TPH3			R1121 R1122	1-216-081-00 1-216-158-00	METAL GLAZE METAL GLAZE	22K 5% 22 5%	1/10W 1/8W
D1103 8-719-820-71	DIODE 1SV214			R1123 R1124 R1125	1-216-158-00 1-216-089-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE	22K 5% 22 5% 22 5% 47K 5% 100K 5%	1/8W 1/10W 1/10W
	RRITE BEAD>			R1126	1-216-218-00	METAL GLAZE		1/8W
FB1101 1-410-396-41 FB1102 1-410-396-41 FB1103 1-410-396-41	FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR			R1127 R1128 R1129	1-216-097-00 1-216-089-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 5% 100K 5% 47K 5% 47K 5%	1/10W 1/10W 1/10W
FB1104 1-410-396-41 FB1105 1-410-396-41	FERRITE BEAD INDUCTOR FERRITE BEAD INDUCTOR			R1130	1-216-246-00	METAL GLAZE	100K 5%	1/8W
FB1107 1-410-396-41	FERRITE BEAD INDUCTOR			R1131 R1132 R1133	1-216-218-00 1-216-097-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 5% 100K 5% 47K 5%	1/8W 1/10W 1/10W
<10>	>				1-216-212-00 1-216-081-00	METAL GLAZE METAL GLAZE	47K 5% 3.9K 5% 22K 5%	1/8W 1/10W
IC1101 8-759-511-88 IC1102 8-759-073-17	IC TDA8732 IC SAA7282P			R1137	1-216-095-00	METAL GLAZE METAL GLAZE	22K 5% 82K 5%	1/10W 1/10W
				R1138	1-216-097-00 1-216-005-00	METAL GLAZE METAL GLAZE	100K 5% 15 5%	1/10W 1/10W

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REF.NO	. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
R1141 R1142 R1143 R1144	1-216-033-00 1-216-049-00 1-216-049-00	METAL GLAZE 3.3K 5% 1, METAL GLAZE 220 5% 1, METAL GLAZE 1K 5% 1, METAL GLAZE 1K 5% 1,	/10W /10W /10W /10W	C220 C221 C222 C223 C224	1-163-011-11 1-124-925-11 1-124-925-11 1-137-028-11 1-137-028-11	ELECT 2.2MF FILM 1MF	10% 20% 20% 10% 10%	50V 50V 50V 63V 63V
R1146 R1147 R1148 R1149	1-216-045-00 1-216-049-00 1-216-001-00	METAL GLAZE 1K 5% 1, METAL GLAZE 680 5% 1, METAL GLAZE 1K 5% 1, METAL GLAZE 10 5% 1,	/10W /10W /10W /10W /10W	C225 C226 C227 C228 C229	1-164-182-11 1-163-007-11 1-124-907-11 1-124-907-11 1-124-478-11	CERAMIC CHIP 0.0033MF CERAMIC CHIP 680PF ELECT 10MF ELECT 10MF	10% 10% 20% 20% 20%	50V 50V 50V 50V 25V
R1151 R1152 R1153 R1154	1-216-049-00 1-216-049-00 1-216-041-00	METAL GLAZE 1K 5% 1, METAL GLAZE 1K 5% 1, METAL GLAZE 1K 5% 1, METAL GLAZE 470 5% 1,	/10W /10W /10W /10W /10W	C230 C231 C232 C233	1-163-009-11 1-163-009-11		20% 10% 10% 10%	25V 16V 50V 50V 50V
X1101	<cry 1-579-689-21</cry 	STAL> VIBRATOR, CRYSTAL VIBRATOR, CRYSTAL (KV-S2913) VIBRATOR, CRYSTAL (KV-S2913)		C235 C236 C237	1-137-134-91 1-124-618-11 1-124-618-11	ELECT 2200MF ELECT 2200MF	5% 20% 20%	63V 35V 35V
X1102	1-579-282-21 1-579-282-21	VIBRATOR, CRYSTAL (KV-S2913I VIBRATOR, CRYSTAL (KV-S2913I	E) E)	C238 C239	1-163-017-00 1-137-134-91	CERAMIC CHIP 0.0047MF FILM 0.22MF	10% 5%	50V 63V
****	*A-1297-007-A *A-1297-008-A	**************************************	B) D,S2913E)	C241 C242 C243 C244	1-126-233-11 1-126-233-11 1-124-903-11 1-163-119-00 1-164-232-11	ELECT 22MF	20% 20% 20% 5% 10%	50V 50V 50V 50V
	*A-1297-012-A	A BOARD, COMPLETE (KV-S29120	U)	C251 C301	1-126-320-11 1-163-038-00	ELECT 10MF CERAMIC CHIP 0.1MF CERAMIC CHIP 1MF CERAMIC CHIP 1MF CERAMIC CHIP 1MF	20%	16V 25V 25V
	4-200-001-01 4-201-023-01 4-812-134-00	A BOARD, COMPLETE (KV-S29120 ***********************************		C303 C304	1-164-346-11 1-164-004-11	CERAMIC CHIP 1MF CERAMIC CHIP 0.1MF	10%	16V 25V
		ACITOR>		C306 C307	1-163-017-00	CERAMIC CHIP 15PF CERAMIC CHIP 15PF CERAMIC CHIP 0.0047MF	5% 5% 10%	50V 50V 50V
C071 C072	1-124-126-00 1-124-120-11	ELECT 220MF 205	% 10V % 16V	C308 C309	1-164-004-11	CERAMIC CHIP 0.022MF CERAMIC CHIP 0.1MF	10% 10%	25V 25V
C074 C102 C103	1-126-103-11	CERAMIC CHIP 220PF 100 ELECT 470MF 200 CERAMIC CHIP 0.01MF	% 50V % 16V 50V	C310 C311 C312 C313	1-163-038-00 1-163-038-00 1-124-910-11 1-163-077-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF ELECT 47MF CERAMIC CHIP 0.1MF	20%	25V 25V 50V 50V
C104 C105 C106	1-124-910-11 1-126-233-11 1-124-927-11	ELECT 47MF 207 ELECT 22MF 207 ELECT 4.7MF 207	% 50V % 50V % 50V	C314 C315	1-163-038-00	CERAMIC CHIP 0.1MF ELECT 47MF	20%	25 v 50 v
C110 C111	1-124-478-11 1-102-074-00	CERAMIC 0.001MF 10%	% 50V (KV-S2911B)	C317 C318	1-163-077-00 1-163-103-00 1-163-103-00 1-163-038-00	CERAMIC CHIP 0.1MF CERAMIC CHIP 27PF CERAMIC CHIP 27PF CERAMIC CHIP 0.1MF	5% 5%	50V 50V 50V 25V
C120 C201 C202 C203	1-163-031-11 1-137-129-91 1-137-129-91	CERAMIC CHIP 0.01MF FILM 0.033MF 5% FILM 0.033MF 5% CERAMIC CHIP 0.47MF	63V	C320 C321	1-124-910-11 1-163-038-00	ELECT 47MF CERAMIC CHIP 0.1MF	20%	50V 25V
C204 C205	1-164-005-11 1-164-005-11 1-124-907-11	CERAMIC CHIP 0.47MF ELECT 10MF 207	25V 25V % 50V	C322 C323 C324	1-126-233-11 1-163-135-00 1-124-910-11	ELECT 22MF CERAMIC CHIP 560PF ELECT 47MF	20% 5% 20%	50V 50V 50V
C206 C207 C208	1-164-161-11 1-137-613-11 1-164-005-11	CERAMIC CHIP 0.0022MF 107 FILM 0.0018MF 2% CERAMIC CHIP 0.47MF	% 50V	C341 C342 C343	1-163-077-00 1-163-077-00 1-164-004-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF	1 0% 1 0% 1 0%	25V 25V 25V
C209 C210	1-164-005-11 1-164-005-11	CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF	25V 25V	C344 C345	1-162-638-11 1-164-346-11	CERAMIC CHIP 1MF CERAMIC CHIP 1MF		16V 16V
C211 C213 C214	1-164-004-11 1-163-023-00 1-163-023-00	CERAMIC CHIP 0.1MF 107 CERAMIC CHIP 0.015MF 107 CERAMIC CHIP 0.015MF 107	% 50V	C347 C348 C349	1-162-638-11 1-164-346-11 1-164-346-11	CERAMIC CHIP 1MF CERAMIC CHIP 1MF CERAMIC CHIP 1MF	2 nv	16V 16V 16V
C215 C216 C217	1-163-809-11 1-163-809-11 1-124-925-11	CERAMIC CHIP 0.047MF 107 CERAMIC CHIP 0.047MF 107 ELECT 2.2MF 207	% 25V	C350 C351 C353	1-124-907-11 1-126-233-11 1-164-346-11	ELECT 10MF ELECT 22MF CERAMIC CHIP 1MF	20% 20%	50V 50V 16V
C218 C219	1-124-925-11 1-124-925-11 1-163-011-11	ELECT 2.2MF 207 CERAMIC CHIP 0.0015MF 102	% 50 V	C354 C355	1-164-346-11 1-162-638-11	CERAMIC CHIP IMF		16V 16V 16V



REF.NO. PART NO). 	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C356 1-164- C357 1-164- C358 1-164- C359 1-124- C361 1-163-	299-11 907-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.22MF 10MF	10% 10% 10% 20% 5%	16V 25V 25V 50V 50V	CN0119 CN0137	*1-568-879-81 *1-564-511-11	PIN, CONNECTOR 4P PIN, CONNECTOR 4P PLUG, CONNECTOR 8P PLUG, CONNECTOR 101	o
C362 1-137-	134-91	FILM	0.22MF	5% 20%	63V 50V) 	<dio< td=""><td>DE></td><td></td></dio<>	DE>	
C363 1-124- C365 1-124- C366 1-124- C401 1-164-	120-11 903-11	ELECT ELECT ELECT CERAMIC CHIP	1MF	20% 20% 20%	16V 50V 16V	D068 D069 D071 D073	8-719-104-34 8-719-104-34 8-719-109-89 8-719-109-89	DIODE 1S2836 DIODE 1S2836 DIODE RD5.6ES-B2 DIODE RD5.6ES-B2	
C402 1-124- C403 1-164-	917-11 005-11	ELECT CERAMIC CHIP	33MF 0.47MF	20%	50V 16V	D075	8-719-400-18	DIODE MA152WK	
C411 1-164- C412 1-164- C421 1-124-	005-11 005-11	CERAMIC CHIP CERAMIC CHIP ELECT	0.47MF 0.47MF 47MF	20%	25V 25V 50V	D077 D078 D079 D101	8-719-109-89	DIODE MA152WK DIODE RD5.6ES-B2 DIODE RD5.6ES-B2 DIODE MTZJ-33C	
C422 1-124- C423 1-101-	004-00	ELECT CERAMIC	47MF 0.01MF	20%	50V 50V	D205	8-719-023-21	DIODE DA116-T146	
C424 1-163- C425 1-163- C426 1-124-	129-00 129-00	CERAMIC CHIP CERAMIC CHIP ELECT	330PF 330PF 47MF	5% 5% 20%	50V 50V 50V	D206 D207 D208 D209	8-719-400-18 8-719-921-89 8-719-911-19 8-719-911-19	DIODE MA152WK DIODE MTZJ-13C DIODE 1SS119 DIODE 1SS119	
C428 1-164-	346-11 346-11	CERAMIC CHIP	IMF IMF		16V 16V	D210	8-719-911-19	DIODE 1SS119	
C429 1-124- C574 1-163- C581 1-163-	119-00 117-00 031-11	CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP	330MF 100PF 0.01MF	20% 5%	16V 50V 50V	D211 D212 D213 D301	8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE MA152WK DIODE MA152WK	
C583 1~163~	233-11 121-00	ELECT CERAMIC CHIP	22MF 150PF	20% 5%	50V 50V	D302	8-719-104-34	DIODE 1S2836	
C587 1-124- C588 1-164-	063-00 903-11 346-11	ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP			50V 50V 16V	D303 D304 D305 D306	8-719-109-89 8-719-400-18	DIODE 1S2836 DIODE RD5.6ES-B2 DIODE MA152WK DIODE MA152WK	
C590 1-126-	233-11 233-11	ELECT ELECT	22MF 22MF	20% 20% 20%	50V 50V	D307		DIODE MA152WK	
C591 1-124- C592 1-163- C593 1-164-	017-00	ELECT CERAMIC CHIP CERAMIC CHIP	0.0047MF	20% 10% 10%	50V 50V 50V	D308 D311 D381 D401	8-719-800-76	DIODE 1SS226 DIODE 1SS226 DIODE RD7.5ES-B2 DIODE MTZJ-9.1	
C681 1-124-	117-00 478-11	CERAMIC CHIP	100PF 100MF	5% 20%	50V 25V	D403		DIODE MTZJ-9.1	
C682 1-126- C683 1-124-	101-11 478-11	ELECT ELECT	100MF 100MF	20% 20%	16V 25V	D405 D406	8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1	
	-478-11 -478-11		100MF 100MF	20 % 20 %	25V 25V	D407 D571 D681	8-719-800-76	DIODE MTZJ-9.1 DIODE ISS226 DIODE MTZJ-3.3	
VOOS 1 124	410 11	BBB01	100	201	23,	D682		DIODE RD5.6ES-B2	
CDF04		TER>	ann 1111 a				.7.0		
CF581 1-577-	-611-11	OSCILALTOR,	CERAMIC			10072	<ic< td=""><td></td><td></td></ic<>		
	<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>I C201</td><td>8-759-073-14 8-759-073-30 8-759-073-31</td><td>IC TDA6612 (KV-S29 IC TDA6622 (KV-S29</td><td>11B, S2911D, S2913E)</td></con<>	NECTOR>				I C201	8-759-073-14 8-759-073-30 8-759-073-31	IC TDA6612 (KV-S29 IC TDA6622 (KV-S29	11B, S2911D, S2913E)
CN0001*1-568- CN0101 1-695-			OARD TO BOA		2U,S2913E)		8-759-502-21 8-759-072-99	IC TDA2822M IC TDA2052	120)
CNO102 1-573- CNO103*1-564-	-296-11 -511-11	CONNECTOR, B PLUG, CONNEC		RD 10P		I C261 I C301	8-759-072-99 8-759-073-15	IC TDA2052 IC TDA9145	
CN0104*1-568- CN0105*1-568- CN0107*1-568-	-880-51	PIN, CONNECT PIN, CONNECT PIN, CONNECT	OR 5P			I C302 I C304 I C401	8-759-505-39 8-752-056-54 8-752-062-86	IC TDA4660V2 IC CXA1587S IC CXA1545AS	
CN0108*1-568- CN0109 1-695-	-878-51	PIN, CONNECT CONNECTOR, B	OR 3P	RD 50P		IC402 IC681	8-759-072-98	IC TDA8138A	
CNO110*I-568- CNO111 1-568-	-882-51 -882-51	PIN, CONNECT PIN, CONNECT				I C683	8-759-982-10 8-759-982-10	IC RC7809FA IC RC7809FA	
CNUII3 1-695- CNOII4*1-568-	-298-11 -879-51	CONNECTOR, B PIN, CONNECT	OARD TO BOA	RD 40P			<1F	BLOCK>	
CN0115±1-564	-516-11	PLUG, CONNEC				IFB101	1-466-733-11	IF BLOCK (IFH-389)	(KV-S2911D,S2913E)



REF.NO. PART NO.	DESCRIPTIO	NC 	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
1FB101 1-466-73 1-466-73	4-11 IF BLOCK (15-11 IF BLOCK (1	IFH-395) (KV-S2912 IFH-389F) (KV-S291	(U) 1B)	JR117 JR118 JR119	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5%	1/10W 1/10W 1/10W
1101 1 410 5	<coil></coil>	ECOUL		JR120 JR121	1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE	0 5% 0 5%	1/10W 1/10W
L101	16-21 INDUCTOR 3-00 INDUCTOR 10-00 INDUCTOR 15-00 INDUCTOR 7-00 INDUCTOR	5600H 22UH 4.7MMH 4.7UH 47UH		JR122 JR123 JR124 JR125 JR127	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
L610 1-412-53 L611 1-412-53	99-21 INDUCTOR 99-21 INDUCTOR	150UH 150UH		JR128	1-216-295-00	METAL GLAZE	0 5%	1/10W
	<transistor></transistor>			JR129 JR131 JR132 JR133	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W
Q071 8-729-91 Q101 8-729-2 Q102 8-729-91 Q103 8-729-91 Q201 8-729-1:	11-05 TRANSISTOR 16-22 TRANSISTOR 11-00 TRANSISTOR 10-53 TRANSISTOR 10-28 TRANSISTOR	DTA124EK 2SA1162-G DTC124EK DTC114EK 2SC1623-L5L6		JR134 JR136 JR137 JR138 JR140	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
Q202 8-729-1: Q203 8-729-1: Q204 8-729-2: Q205 ~8-729-2: Q206 8-729-2:	20-28 TRANSISTOR 20-28 TRANSISTOR 16-22 TRANSISTOR 16-22 TRANSISTOR 16-22 TRANSISTOR	2SC1623-L5L6 2SC1623-L5L6 2SA1162-G 2SA1162-G 2SA1162-G		JR141 JR142 JR143 JR144 JR150	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W
Q207 8-729-1 Q209 8-729-1 Q301 8-729-9 Q302 8-729-2 Q303 8-729-2	20-28 TRANSISTOR 20-28 TRANSISTOR 11-00 TRANSISTOR 16-22 TRANSISTOR 16-22 TRANSISTOR	2SC1623-L5L6 2SC1623-L5L6 DTC124EK 2SA1162-G 2SA1162-G		JR201 JR202 JR203 JR204 JR205	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W
Q304 8-729-9 Q305 8-729-9 Q306 8-729-2 Q308 8-729-2 Q309 8-729-9	00-53 TRANSISTOR 01-01 TRANSISTOR 16-22 TRANSISTOR 16-22 TRANSISTOR 31-02 TRANSISTOR	DTC114EK DTC144EK 2SA1162-G 2SA1162-G 2SC2413K-Q		JR206 JR207 JR208 JR209	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W
Q311 8-729-9 Q312 8-729-9 Q401 8-729-1 Q402 8-729-1 Q403 8-729-1	01-06 TRANSISTOR 00-53 TRANSISTOR 20-28 TRANSISTOR 20-28 TRANSISTOR 20-28 TRANSISTOR	DN IFH-395) (KV-S2912 IFH-389F) (KV-S2912 IFH-389F) (KV-S2912 560UH 22UH 4.7MMH 4.7UH 47UH 150UH 150UH DTA124EK 2SA1162-G DTC124EK DTC114EK 2SC1623-L5L6 2SC1623-L5L6 2SC1623-L5L6 2SC1623-L5L6 DTC124EK DTC14EK 2SA1162-G 2SC2413K-Q DTA144EK DTC14EK DTC14EK 2SC1623-L5L6		JR211 JR212 JR213 JR214 JR215	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W
Q404 8-729-1 Q581 8-729-1 Q582 8-729-2 Q610 8-729-1 Q611 8-729-9	20-28 TRANSISTOR 20-28 TRANSISTOR 16-22 TRANSISTOR 40-97 TRANSISTOR 00-53 TRANSISTOR	2SC1623-L5L6 2SC1623-L5L6 2SA1162-G 2SB734-34 DTC114EK		JR216 JR217 JR218 JR219 JR220	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W
Q683 8-729-1	40-96 TRANSISTOR	. 2SD774-34		JR221	1-216-296-00	METAL GLAZE	0 5%	1/8₩
JR101 1-216-2	95-00 METAL GLAZ	E 0 5% 1	/10W	JR222 JR223 JR224 JR225	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W
JR102 1-216-2 JR103 1-216-2 JR104 1-216-2 JR105 1-216-2	95-00 METAL GLAZ 95-00 METAL GLAZ 95-00 METAL GLAZ	EE 0 5% 1 EE 0 5% 1 EE 0 5% 1	/10W /10W /10W /10W	JR226 JR227 JR228 JR229	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W
JR107 1-216-2 JR108 1-216-2 JR109 1-216-2 JR110 1-216-2 JR111 1-216-2	95-00 METAL GLAZ 95-00 METAL GLAZ 95-00 METAL GLAZ 95-00 METAL GLAZ	EE 0 5% 1 EE 0 5% 1 EE 0 5% 1 EE 0 5% 1	/10W /10W /10W /10W /10W	JR230 JR231 JR232 JR233 JR234	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W
JR112 1-216-2 JR113 1-216-2 JR114 1-216-2 JR115 1-216-2 JR116 1-216-2	95-00 METAL GLAZ 95-00 METAL GLAZ 95-00 METAL GLAZ	XE	/10W /10W /10W /10W /10W	JR235 JR236 JR237 JR238	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W



REF.NO. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
JR239 1-216-296-00 JR240 1-216-296-00 JR241 1-216-296-00 JR242 1-216-296-00 JR243 1-216-296-00		0 0 0		1/8W 1/8W 1/8W 1/8W 1/8W		R244 R245	1-216-218-00 1-249-438-11 1-216-089-00 1-216-089-00 1-216-073-00	METAL GLAZE CARBON METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 56K 47K 47K 10K	5% 5% 5% 5%	1/8W 1/4W 1/10W 1/10W 1/10W	
JR244 1-216-296-00 JR245 1-216-296-00 JR247 1-216-296-00 JR248 1-216-296-00 JR250 1-216-296-00 JR251 1-216-296-00		0 0 0 0 0		1/8W 1/8W 1/8W 1/8W 1/8W		R248	1-216-073-00 1-216-045-00 1-216-095-00 1-216-065-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 680 82K 4.7K 10K	5% %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/10W 1/10W 1/10W 1/10W 1/10W	
JR252 1-216-296-00 JR253 1-216-296-00 R071 1-216-041-00 R072 1-216-033-00 R073 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE		5% 5% 5%	1/8W 1/8W 1/10W 1/10W 1/10W		R254 R255 R256 R257 R257	1-216-252-00	METAL GLAZE METAL GLAZE METAL GLAZE CARBON CARBON METAL GLAZE	10K 180K 180K 220 220 1K	5 % % % % % % % % % % % % % % % % % % %	1/10W 1/8W 1/8W 1/4W 1/4W 1/10W	
R074 1-216-198-00 R076 1-216-057-00 R077 1-216-025-00 R101 1-216-025-00 R102 1-216-049-00 R103 1-216-059-00	METAL GLAZE	1K 2.2K 100 100	5% 5%	1/8W 1/10W 1/10W 1/10W 1/10W 1/10W		R260 R301 R302 R303 R304	1-216-198-00 1-216-041-00 1-216-041-00 1-216-174-00 1-216-174-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 470 470 100 100	5% 5% 5% 5%	1/8W 1/10W 1/10W 1/8W 1/8W	
R105 1-216-073-00 R108 1-216-230-00 R115 1-216-210-00 R201 1-216-653-11 R202 1-216-653-11	METAL GLAZE METAL GLAZE METAL GLAZE	1K 2.7K 10K 22K 3.3K		1/10W 1/8W 1/8W		R305 R306 R307 R308 R309	1-216-035-00 1-216-035-00 1-216-075-00 1-216-121-00 1-216-001-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	270 270 12K 1M 10	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R203 1-216-067-00 R204 1-216-091-00 R205 1-216-071-00		1.2K 1.2K 5.6K 56K 8.2K 8.2K		1/10W 1/10W 1/10W 1/10W 1/10W		R310 R311 R312 R313 R314	1-216-001-00 1-216-065-00 1-249-413-11 1-216-081-00 1-249-409-11	METAL GLAZE Carbon	10 4.7K 470 22K 220	5% 5% 5% 5%	1/10W 1/10W 1/4W 1/10W 1/4W	
R208	CARBON	8.2K 2.2K 2.2K 0.47 39	5%	1/10W 1/4W 1/2W 1/2W 1/10W	F	R315 R316 R317 R318 R319	1-249-409-11 1-216-097-00 1-216-073-00 1-216-041-00 1-249-413-11	METAL GLAZE	220 100K 10K 470 470	5% 5% 5% 5%	1/4W 1/10W 1/10W 1/10W 1/4W	
R213 1-216-073-00 R214 1-216-049-00 R215 1-216-073-00 R216 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	1 K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R320 R321 R322 R324 R325	1-216-174-00 1-216-039-00 1-216-041-00 1-216-049-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 390 470 1K 470	5% 5% 5% 5%	1/8W 1/10W 1/10W 1/10W 1/10W	
R218	FUSIBLE METAL GLAZE	4.7 1K	5% 5%	1/10W 1/4W 1/10W 1/10W 1/10W	F	R326 R328 R329 R330 R331	1-216-073-00 1-216-025-00 1-216-023-00 1-216-053-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 100 82 1.5K 100K	5% 5% 5% 5%	1/10 W 1/10 W 1/10 W 1/10 W 1/10 W	
R225 1-212-849-00 R226 1-249-412-11 R227 1-216-081-00 R228 1-216-081-00	FUSIBLE CARBON METAL GLAZE METAL GLAZE		5% 5% 5%	1/4W 1/4W 1/10W 1/10W 1/10W	F	R333 R334 R339 R340 R341	1-216-182-00 1-216-182-00 1-216-025-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 220 100 100 100	5% 5% 5% 5%	1/8W 1/8W 1/10 W 1/10 W 1/10 W	
R230 1-216-246-00 R231 1-216-097-00 R232 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K	5%	1/8W 1/10W 1/10W 1/10W 1/10W		R342 R343 R344 R345 R346	1-216-033-00 1-216-022-00 1-216-022-00 1-216-171-00 1-216-022-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 75 75 75 75	5% 5% 5% 5%	1/10 W 1/10 W 1/10 W 1/8 W 1/10 W	
R234 1-216-077-00 R235 1-216-073-00 R236 1-216-081-00 R237 1-216-025-00 R238 1-216-025-00 R239 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R347 R348 R349 R350 R351	1-216-083-00 1-216-029-00 1-216-029-00 1-216-178-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	27K 150 150 150 10K	5% 5% 5% 5%	1/10 G 1/10 G 1/10 G 1/8 H 1/10 G	
R240 1-216-089-00 R241 1-216-057-00	METAL GLAZE	47K 2.2K	5% 5%	1/10W 1/10W		R352 R354	1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE	220 220	5% 5%	1/10 U 1/10 U	

AIF

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R355 R356 R357 R358 R359	1-216-033-00 1-216-033-00 1-216-041-00 1-216-031-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 220 470 180 220	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R616 R628 R681 R684 R685	1-216-035-00 1-249-411-11 1-216-397-11 1-216-047-00 1-216-049-00	METAL GLAZE CARBON METAL OXIDE METAL GLAZE METAL GLAZE	270 330 4.7 820 1K	5% 1/10% 5% 1/4W 5% 3W 5% 1/10% 5% 1/10%	F
R360 R361 R362 R365 R366	1-216-077-00 1-216-073-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 220 15K 10K 5.6K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		TUIOLA	<tun -="" 1-693-184-11="" 1-693-185-11<="" td=""><td>ER> Tuner (U944c</td><td>)</td><td>2912U)</td><td></td></tun>	ER> Tuner (U944c)	2912U)	
R367 R368 R369 R370 R371	1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 220 220 220 220 220	5% 5% 5% 5%	1/8W 1/10W 1/10W 1/10W 1/10W						energy verment energy ver	in a fine design the State of a second
R373 R376 R377	1-216-017-00 1-216-065-00 1-216-051-00	METAL GLAZE METAL GLAZE METAL GLAZE	47 4.7K 1.2K	5% 5%	1/10W 1/10W		į.	********			*******	******
R378 R379	1-216-057-00 1-216-206-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 2.2K	5% 5% 5%	1/10W 1/10W 1/8W		[1-466-733-11	IF BLOCK (IF	H-389) (*****	(KV-S2911D,S	2913E)
R380 R401 R402 R403 R404	1-216-057-00 1-216-171-00 1-216-158-00 1-216-025-00 1-216-158-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 75 22 100 22	5% 5% 5% 5%	1/10W 1/8W 1/8W 1/10W 1/8W		C101 C102	1-163-121-00 1-164-222-11	CERAMIC CHIP	0.22MF		50V 25V
R405 R406	1-216-025-00 1-216-158-00	METAL GLAZE METAL GLAZE			1/10W 1/8W		C103 C104 C105	1-164-232-11 1-164-232-11 1-164-004-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 0.01MF	10% 10% 10%	50V 50V 25V
R407 R408 R410	1-216-025-00 1-216-093-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 68K 5.6K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W		C106 C107 C108	1-124-477-11 1-164-004-11 1-164-004-11	ELECT CERAMIC CHIP CERAMIC CHIP	47MF 0.1MF	20% 10% 10%	16V 25V 25V
R411 R412 R413	1-216-067-00 1-216-022-00 1-216-022-00	METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 75 75	5% 5% 5%	1/10W 1/10W 1/10W		C109 C112	1-164-232-11 1-164-004-11	CERAMIC CHIP CERAMIC CHIP	0.01MF 0.1MF	10% 10%	50V 25V
R414 R416	1-216-022-00 1-216-113-00	METAL GLAZE METAL GLAZE	75 470K	5% 5%	1/10W 1/10W		C113 C114 C115	1-163-101-00 1-124-477-11 1-164-232-11	CERAMIC CHIP ELECT CERAMIC CHIP	22PF 47MF	5% 20% 10%	50V 16V 50V
R417 R419 R420	1-216-067-00 1-216-113-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 470K 5.6K	5% 5%	1/10W 1/10W 1/10W		C116 C118	1-164-346-11	CERAMIC CHIP CERAMIC CHIP	1MF	10%	16V 25V
R423 R424	1-216-015-00 1-216-025-00	METAL GLAZE METAL GLAZE	39 100	5% 5%	1/10W 1/10W		C119 C121	1-163-369-11 1-163-235-11 1-163-239-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	47PF 22PF 33PF	5% 5% 5%	50V 50V 50V
R425 R426 R427	1-216-025-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 100 100	5% 5% 5%	1/10W 1/10W 1/10W		C123	1-163-235-11 1-164-004-11	CERAMIC CHIP	22PF	5% 10%	50V 25V
R428 R572	1-249-393-11 1-216-198-00	CARBON METAL GLAZE	10 1K	5% 5%	1/4W 1/8W	F	C130 C131 C133	1-216-295-00 1-163-093-00 1-124-477-11	METAL GLAZE CERAMIC CHIP ELECT	0 10PF 47M F	5% 1/10W 5% 20%	50V 16V
R574 R575 R581	1-216-041-00 1-216-037-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 330 220	5% 5% 5%	1/10W 1/10W 1/10W		C152 C153	1-164-337-11 1-164-337-11	CERAMIC CHIP CERAMIC CHIP	2.2MF	201	16V 16V
R581 R582 R583	1-216-037-00 1-216-053-00	METAL GLAZE METAL GLAZE	330 1.5K	5% 5%	1/10W 1/10W		C154 C155 C156	1-164-337-11 1-164-232-11 1-124-477-11	CERAMIC CHIP CERAMIC CHIP ELECT		10% 20%	16V 50V 16V
R584 R586 R587	1-216-039-00 1-216-053-00 1-216-045-00	METAL GLAZE METAL GLAZE METAL GLAZE	390 1.5K 680	5% 5% 5%	1/10W 1/10W 1/10W		C161 C162	1-163-117-00 1-164-222-11	CERAMIC CHIP CERAMIC CHIP	100PF	5%	50V 25V
R588 R589	1-216-101-00 1-216-073-00	METAL GLAZE METAL GLAZE	150K 10K	5% 5% 5%	1/10W 1/10W		C163 C164 C165	1-164-346-11 1-163-141-00 1-164-232-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.001MF	5% 10%	16V 50V 50V
R590 R591 R592	1-216-049-00 1-216-073-00 1-216-232-00	METAL GLAZE METAL GLAZE METAL GLAZE	1 K 10 K 27 K	5% 5% 5%	1/10W 1/10W 1/8W		C166 C167	1-124-477-11 1-163-213-00	ELECT CERAMIC CHIP	47MF	201	16V 50V
R593 R594	1-216-063-00 1-216-053-00	METAL GLAZE METAL GLAZE	3.9K 1.5K	5% 5%	1/10W 1/10W		C168 C170 C171	1-164-346-11 1-124-477-11	CERAMIC CHIP ELECT	47MF	201	16V 16V
R595 R596 R597 R600	1-216-643-11 1-216-670-11 1-216-230-00 1-216-190-00	METAL CHIP METAL CHIP METAL GLAZE METAL GLAZE	470 6.2K 22K 470	0.50% 0.50% 5% 5%	1/10W 1/10W 1/8W 1/8W		C171 C172 C173	1-124-477-11 1-124-477-11 1-124-477-11	ELECT ELECT ELECT	47MF 47MF 47MF	201 201 201	16V 16V 16V

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
	<fil7< td=""><td>TER></td><td></td><td>JR23 JR24</td><td>1-216-296-00 1-216-296-00</td><td>METAL GLAZE METAL GLAZE</td><td>0 !</td><td></td><td>1/8W 1/8W</td><td></td></fil7<>	TER>		JR23 JR24	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 !		1/8W 1/8W	
CF2 CF3 CF4 SWF1	1-527-839-00 1-527-840-00 1-567-570-11 1-579-658-11	FILTER, CERAMIC FILTER, CERAMIC FILTER, CERAMIC FILTER, CERAMIC FILTER, SAWTOOTH WAVE		JR25 JR29 JR30 JR33	1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5% 5% 5%	1/8W 1/8W 1/10W 1/10W 1/8W	
	<con< td=""><td>NECTOR></td><td></td><td>JR38</td><td>1-216-296-00 1-216-296-00</td><td></td><td></td><td></td><td>1/8W</td><td></td></con<>	NECTOR>		JR38	1-216-296-00 1-216-296-00				1/8W	
CN1 CN2	*1-506-913-11 *1-506-913-11	PIN, CONNECTOR 10P PIN, CONNECTOR 10P		JR39 JR40 R101 R102 R103	1-216-296-00 1-216-075-00 1-216-073-00 1-216-057-00	METAL GLAZE METAL GLAZE	ו מ	5% 5% 5%	1/8W 1/10W 1/10W 1/10W	
		MMER>		R104	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
CTI	1-404-801-11	TRAP, CERAMIC		R106 R107 R108	1-216-049-00 1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 4.7K 4.7K	5% 5% 5%	1/10W 1/10W 1/10W	
	<dio< td=""><td></td><td></td><td>R110</td><td>1-216-041-00</td><td>METAL GLAZE</td><td></td><td></td><td>1/10W</td><td></td></dio<>			R110	1-216-041-00	METAL GLAZE			1/10W	
D161	8-719-400-18 <1C>	DIODE MA152WK		R113 R114 R115 R116 R117	1-216-031-00 1-216-049-00 1-216-027-00 1-216-101-00 1-216-097-00	METAL GLAZE METAL GLAZE	1K 120	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
IC1 IC2	8-759-070-76 8-759-070-71	IC M52308SP		R118	1-216-117-00		680K '	5%	1/10	
103	8-759-514-54 <coi< td=""><td>IC BA7046</td><td></td><td>R119 R120 R121 R122</td><td>1-216-240-00 1-216-075-00 1-216-053-00 1-216-061-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>56K 12K 1.5K 3.3K</td><td>5% 5% 5%</td><td>1/8W 1/10W 1/10W 1/10W</td><td></td></coi<>	IC BA7046		R119 R120 R121 R122	1-216-240-00 1-216-075-00 1-216-053-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE	56K 12K 1.5K 3.3K	5% 5% 5%	1/8W 1/10W 1/10W 1/10W	
L101	1-408-421-00			R123	1-216-075-00	METAL GLAZE			1/10W	
L102 L103 L104 L121	1-408-419-00 1-408-419-00 1-408-408-00 1-408-413-00	INDUCTOR 100UH INDUCTOR 68UH INDUCTOR 68UH INDUCTOR 8.2UH INDUCTOR 22UH	·	R124 R125 R127 R130	1-216-041-00 1-216-041-00 1-216-047-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 470 820 1K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
L122 L142	1-410-790-41	INDUCTOR 82UH INDUCTOR 0.56UH INDUCTOR 68UH INDUCTOR 68UH		R131 R132 R133		METAL GLAZE	100 5 6.8K 5	5%	1/10W 1/10W 1/10W	
L151 L161	1-408-419-00 1-408-419-00	INDUCTOR 68UH INDUCTOR 68UH		R134 R135	1-216-061-00 1-216-049-00 1-216-198-00	METAL GLAZE METAL GLAZE	1K !	5%	1/10 W 1/8W	
	<tra< td=""><td>NSISTOR></td><td></td><td>R150</td><td>1-216-043-00</td><td>METAL GLAZE</td><td>560 ! 560 !</td><td></td><td>1/10 W 1/10 W</td><td></td></tra<>	NSISTOR>		R150	1-216-043-00	METAL GLAZE	560 ! 560 !		1/10 W 1/10 W	
Q101 Q102 Q121 Q122	8-729-216-22 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G		1	1-216-043-00 1-216-043-00 1-216-043-00 1-216-025-00 1-216-049-00		100 1K	5% 5%	1/10 W 1/10 W 1/10 W	
Q161	8-729-216-22	TRANSISTOR 2SA1162-G		R155 R156	1-216-051-00 1-216-083-00	METAL GLAZE METAL GLAZE	1.2K 27K	5%	1/10 W 1/10 W	
Q170 Q171 Q172	8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		R157 R159 R160	1-216-051-00 1-216-107-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.2K 270K 1K	5%	1/10 W 1/10 W 1/10 W	
Q173	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R161 R162	1-216-100-00 1-216-073-00	METAL CHIP METAL GLAZE		0.50% 5%	1/10W 1/10W	
	<res< td=""><td>SISTOR></td><td></td><td>R163 R164</td><td>1-216-113-00 1-216-113-00</td><td>METAL GLAZE METAL GLAZE</td><td>470K 470K</td><td>5%</td><td>1/10W 1/10W</td><td></td></res<>	SISTOR>		R163 R164	1-216-113-00 1-216-113-00	METAL GLAZE METAL GLAZE	470K 470K	5 %	1/10W 1/10W	
JR2 JR3	1-216-295-00 1-216-296-00	METAL GLAZE 0 5% METAL GLAZE 0 5%	1/10W 1/8W	R165	1-216-081-00	METAL GLAZE	22K	5 %	1/10 W	
JR4 JR7	1-216-295-00 1-216-295-00	METAL GLAZE 0 5% METAL GLAZE 0 5%	1/10W 1/10W	R166 R167	1-216-049-00 1-216-073-00	METAL GLAZE METAL GLAZE	1K 10K		1/10 W 1/10 W	
JR8	1-216-295-00	METAL GLAZE 0 5%	1/10W	R168	1-216-113-00 1-216-049-00	METAL GLAZE METAL GLAZE	470K	5%	1/10W 1/10W	
JR9 JR11 JR14	1-216-296-00	METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 0 5%	1/8W 1/8W	R170	1-216-083-00 1-216-075-00	METAL GLAZE METAL GLAZE			1/10•W	
JR16 JR18	1-216-296-00 1-216-295-00 1-216-295-00	METAL GLAZE 0 5%	1/8W 1/10W 1/10W	R171 R172 R173	1-216-075-00 1-216-095-00 1-216-059-00	METAL GLAZE METAL GLAZE	82K 2.7K	5% 5% 5%	1/10*W 1/10*W	
JR19	1-216-295-00		1/10W	R174 R175	1-216-057-00 1-216-083-00	METAL GLAZE METAL GLAZE	2.2K 27K	5%	1/10=W 1/10 W	
JR20 JR21	1-216-296-00 1-216-296-00	METAL GLAZE 0 5% METAL GLAZE 0 5% METAL GLAZE 0 5%	1/8W 1/8W	R176		METAL GLAZE			1/10 W	

IF

REF.NO	. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
R177 R178 R179 R180 R181	1-216-095-00 1-216-059-00 1-216-057-00 1-216-037-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	82K 5% 2.7K 5% 2.2K 5% 330 5% 330 5%	1/10W 1/10W 1/10W 1/10W 1/10W		CT1		MMER> TRAP, CERAMIC DE>	(6.0MHZ)	
	<var< td=""><td>IABLE RESISTOR></td><td></td><td></td><td></td><td>D161</td><td></td><td>DIODE MA152WK</td><td></td><td></td></var<>	IABLE RESISTOR>				D161		DIODE MA152WK		
RV1	1-241-121-11	RES, ADJ, CARBO	ON 4.7K				<1C>			
	<tra< td=""><td>NSFORMER></td><td></td><td></td><td></td><td>IC1</td><td>8-759-070-76</td><td>IC M52308SP</td><td></td><td></td></tra<>	NSFORMER>				IC1	8-759-070-76	IC M52308SP		
T4 T5	1-416-017-11 1-416-018-21	COIL, IF				103	8-759-514-54	IC BA7046		
		*****	*******	******	******		<01	L>		
	1-466-734-11	IF BLOCK (IFH-		52912U)		L101 L102 L103 L104 L105	1-408-414-00 1-408-419-00 1-408-419-00 1-408-406-00 1-408-410-00	INDUCTOR INDUCTOR INDUCTOR	27UH 68UH 68UH 5.6UH 12UH	
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>İ</td><td>1-410-790-41</td><td></td><td>0.56UH</td><td>·</td></cap<>	ACITOR>				İ	1-410-790-41		0.56UH	·
C101 C102 C103 C104	1-164-222-11 1-164-232-11	CERAMIC CHIP 3 CERAMIC CHIP 0 CERAMIC CHIP 0 CERAMIC CHIP 0		10%	50V 25V 50V 50V		1-408-419-00		68UH	
C105	1-164-004-11	CERAMIC CHIP O	.IMF	10%	25V	Q101	8-729-120-28	TRANSISTOR 2S	C1623-L5L6	
C106 C107 C108 C109 C112	1-164-004-11 1-164-232-11	CERAMIC CHIP O	.1MF .01MF	10% 10% 10%	16V 25V 25V 50V 25V	Q102 Q122 Q161 Q172	8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR 2S TRANSISTOR 2S	A1162-G A1162-G A1162-G	
C112	1-164-004-11	CERAMIC CHIP 0			50V	Q173	8-729-120-28	TRANSISTOR 2S	C1623-L5L6	
C114 C115 C116	1-124-477-11 1-164-232-11 1-164-346-11	ELECT 4' CERAMIC CHIP 0 CERAMIC CHIP 1	7MF .01MF MF	20% 10%	16V 50V 16V	 		ISTOR>	0 59	1 (0.5)
C118 C119 C122 C130 C131	1-164-004-11 1-163-369-11 1-163-093-00 1-216-295-00 1-163-224-11		7PF 0PF 0 5%		50V 50V	JR1 JR2 JR3 JR4 JR7	1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5%	1/8 W 1/10W 1/8 W 1/10W 1/10W
C133	1-124-477-11	ELECT 4	7MF	20%	16V	JR8 JR9	1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5%	1/10W 1/8W
C161 C162 C163 C164	1-163-117-00 1-164-222-11 1-164-346-11 1-163-141-00	CERAMIC CHIP 1 CERAMIC CHIP 0 CERAMIC CHIP 1 CERAMIC CHIP 0	.22MF MF	5% 5%	50V 25V 16V 50V	JR10 JR11 JR12	1-216-296-00 1-216-296-00 1-216-295-00	METAL GLAZE	0 5% 0 5% 0 5%	1/8 W 1/8 W 1/1 OW
C165	1-164-232-11	CERAMIC CHIP O		10%	50V	JR13 JR14	1-163-093-00 1-216-296-00	CERAMIC CHIP METAL GLAZE	10PF 0 5%	5% 50V 1/8W
C166 C167 C168 C170	1-124-477-11 1-163-213-00 1-164-346-11 1-124-477-11	CERAMIC CHIP 0 CERAMIC CHIP 1 ELECT 4		20% 5% 20%	16V 50V 16V 16V	JR16 JR18 JR19	1-216-295-00 1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/10W 1/10W 1/8W
C171	1-124-477-11 <fil< td=""><td></td><td>7MF</td><td>20%</td><td>16V</td><td> JR20 JR21 JR23 JR24</td><td>1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>0 5% 0 5% 0 5% 0 5% 0 5%</td><td>1 /8 W 1 /8 W 1 /8 W 1 /8 W</td></fil<>		7 M F	20%	16 V	JR20 JR21 JR23 JR24	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1 /8 W 1 /8 W 1 /8 W 1 /8 W
CDI		DISCRIMINATOR,				JR25	1-216-296-00	METAL GLAZE		1/8W
CF1 SWF1	1-579-659-11	FILTER, CERAMI FILTER, SAWTOO' NECTOR>				JR29 JR30 JR33 JR38 JR39	1-216-296-00 1-216-295-00 1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/10W 1/10W 1/8W
CN1		NECTUR> PIN, CONNECTOR	10P			JR40	1-216-296-00 1-216-296-00	METAL GLAZE		1/8 W 1/8 W
ČN2		PIN, CONNECTOR				JR41 JR42 JR101 R101	1-216-295-00 1-216-295-00 1-216-295-00 1-216-075-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 12K 5%	1/10W 1/10W 1/10W 1/10W

NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
2		METAL GLAZE	680 2 2 V	5%	1/10W		C5	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50 V
14 15 16	1-216-051-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.2K 560 1K	5% 5%	1/10W 1/10W 1/10W 1/10W		C6 C7 C8 C9	1-163-017-00	CERAMIC CHIP 0.0047MF ELECT 22MF	10% 10% 10% 20%	50V 50V 50V 25V
)7)8		METAL GLAZE METAL GLAZE	4.7K 4.7K	5% 5%	1/10W 1/10W		C10	1-164-232-11		10%	50V
2	1-216-045-00 1-216-031-00	METAL GLAZE METAL GLAZE	680 180	5% 5%	1/10W 1/10W		C13 C14 C15	1-163-059-00 1-124-477-11 1-124-903-11	CERAMIC CHIP 0.01MF BLECT 47MF BLECT 1MF	10 % 20 % 20 %	16V 50V 16V 50V
5	1-216-031-00	METAL GLAZE	180	5%	1/10W		1			10%	50V 16V
7	1-216-097-00 1-216-117-00	METAL GLAZE METAL GLAZE	100K 680K	5% 5%	1/10W 1/10W		C18	1-162-638-11 1-163-141-00	CERAMIC CHIP 1MF CERAMIC CHIP 0.001MF	5%	16V 50V
9	1-216-240-00	METAL GLAZE	56K 12K	5% 5%	1/8W 1/10W		C21	1-124-902-00	ELECT U.47MF ELECT 1MF	20% 20%	50 V 50 V
21 22	1-216-053-00 1-216-061-00	METAL GLAZE METAL GLAZE	1.5K 3.3K	5%	1/10W 1/10W		C22 C23	1-164-232-11 1-124-902-00	CERAMIC CHIP 0.01MF ELECT 0.47MF	10% 20%	50V 50V
							C25	1-124-477-11	ELECT 47MF	20%	16V 16V 50V
31 32	1-216-025-00 1-216-069-00	METAL GLAZE METAL GLAZE	100 6.8K	5% 5%	1/10W 1/10W		C27	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
33 34	1-216-061-00 1-216-049-00	METAL GLAZE METAL GLAZE	3.3K 1K	5% 5%	1/10W 1/10W		C33	1-124-907-11	ELECT 10MF	20%	16V 50V 50V
35 53	1-216-198-00 1-216-025-00	METAL GLAZE METAL GLAZE	1 K 100	5% 5%	1/8W 1/10W		C35	1-124-925-11	ELECT 2.2MF	20%	50 V
59 50	1-216-107-00 1-216-049-00	METAL GLAZE METAL GLAZE	270K 1K	5%	1/10W 1/10W		¦ C37	1-164-232-11	CERAMIC CHIP 0.01MF	20% 10%	16V 50V
							1 0 10	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V 50V 16V
53 54	1-216-113-00 1-216-113-00	METAL GLAZE METAL GLAZE	470K 470K	5% 5%	1/10W 1/10W		C72	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50 V
66 66	1-216-081-00 1-216-049-00	METAL GLAZE	22K 1K	5% 5%	1/10W 1/10W		C83	1-124-477-11	ELECT 47MF	20%	16V 16V 16V
57 8	1-216-073-00 1-216-113-00	METAL GLAZE METAL GLAZE		5% 5%	1/10W 1/10W		C85	1-124-477-11	ELECT 47MF	20%	16 V
75	1-216-083-00	METAL GLAZE	27K	5%	1/10W		C87	1-124-477-11	ELECT 47MF	20%	16V 16V 50V
77	1-216-095-00	METAL GLAZE	82K	5%	1/10W		C95 C101	1-164-337-11 1-163-017-00	CERAMIC CHIP 2.2MF	10%	16V 50V
79	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W			1-163-017-00 1-163-017-00	CERAMIC CHIP 0.0047MF	10% 10%	50V 50V
•				- 70	2, 20		C105 C106	1-163-017-00 1-163-017-00	CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF	10% 10%	50V 50V
ı				. 7K			į į				10V 50V
							CET				
	1-416-018-21	COIL, IF					CF2 CF3	1-567-569-11 1-527-840-00	FILTER, CERAMIC FILTER, CERAMIC		
***						******	* CF4 SWF1	1-567-570-11 1-579-662-11	FILTER, CERAMIC FILTER, SURFACE WAVE		
	1-400-755 11				,4,110)		SWF3 SWF4				
	<caf< td=""><td>PACITOR></td><td></td><td></td><td></td><td></td><td></td><td>∠୯୩)</td><td>NNFCTOR></td><td></td><td></td></caf<>	PACITOR>						∠ ୯୩)	NNFCTOR>		
	1-163-017-00 1-164-232-11 1-124-903-11 1-164-232-11	CERAMIC CHIP ELECT	0.01M 1MF	F	10% 10% 20% 10%	50 V 50 V 50 V 50 V	CN1 CN2	*1-506-913-11	PIN, CONNECTOR 10P		
	23456 78023 45678 901223 01223 015234 553901 23456 78956 778731	1-216-057-00 1-216-043-00 1-216-043-00 1-216-049-00 1-216-065-00 1-216-065-00 1-216-041-00 2-1-216-045-00 1-216-041-00 2-1-216-045-00 1-216-031-00 1-216-031-00 1-216-031-00 1-216-031-00 1-216-075-00 1-216-075-00 1-216-061-00 1-216-061-00 1-216-061-00 1-216-061-00 1-216-061-00 1-216-061-00 1-216-061-00 1-216-069-00 1-216-069-00 1-216-069-00 1-216-073-00	1-216-045-00 METAL GLAZE	12	1-216-045-00		122 1-216-045-00 METAL GLAZE 2.2K 5% 1/10W C5	2	1	2	

IF

REF.NO	. PART NO.		DN 	R	EMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
		MMER>				R11 R24 R25	1-216-059-00 1-216-280-00 1-216-057-00		2.7K 2.7M 2.2K	5% 5% 5%	1/10W 1/8W 1/10W	
CT1 CT2 CV1 CV2 CV3	1-404-801-11 1-409-429-11 1-141-245-00 1-141-245-00 1-141-304-21	TRAP, CERAI TRAP, CERAI CAP, TRIMMI CAP, TRIMMI TRIMMER, CI	MIC Br Br			R26 R27 R28 R29 R30	1-216-061-00 1-216-266-00 1-216-075-00 1-216-035-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 680K 12K 270 1K	5%	1/10W 1/8W 1/10W 1/10W 1/10W	
	<dio< td=""><td>IDE></td><td></td><td></td><td></td><td>R31</td><td>1-216-017-00 1-216-043-00</td><td>METAL GLAZE METAL GLAZE</td><td>47 560</td><td>5%</td><td>1/10W</td><td></td></dio<>	IDE>				R31	1-216-017-00 1-216-043-00	METAL GLAZE METAL GLAZE	47 560	5%	1/10W	
D7 D8 D9	8-719-421-57 8-719-421-57 8-719-421-57	DIODE MA73 DIODE MA73 DIODE MA73	-TX -TX -TX	•		R32 R33 R34 R35	1-216-037-00 1-216-252-00 1-216-035-00	METAL GLAZE METAL GLAZE	330 180K 270	5% 5% 5% 5%	1/10W 1/10W 1/8W 1/10W	
	<1C>					R36 R37	1-216-029-00 1-216-049-00	METAL GLAZE METAL GLAZE	150 1K	5% 5%	1/10W 1/10W	
IC1 IC2 IC3	8-759-070-75 8-759-070-71 8-759-979-62	IC TDAGR2D				R38 R39	1-216-099-00 1-216-089-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	150 1K 120K 47K 1K		1/10W 1/10W 1/10W	
	4001	15.				R42 R43	1-216-061-00 1-216-067-00	METAL GLAZE	3.3K 5.6K	5% 5%	1/10W 1/10W	
L1	1-408-419-00	L>	601111			R44 R45	1-216-027-00 1-216-041-00	METAL GLAZE	3.3K 5.6K 120 470	5% 5%	1/10W 1/10W	
L2 L3	1-408-419-00 1-408-419-00 1-408-407-00	INDUCTOR INDUCTOR	68UH 6 8UH			. 140 ! ! P.47	1-216-031-00 1-216-075-00		180 12K	5%	1/10W 1/10W	
L4 L5	1-408-419-00 1-408-419-00	INDUCTOR INDUCTOR	68UH 68UH			R48 R49	1-216-081-00 1-216-049-00	METAL GLAZE METAL GLAZE	22K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
L7	1-408-406-00	INDUCTOR	5.6UH			R53 R54	1-216-083-00 1-216-043-00	METAL GLAZE METAL GLAZE	27K 560	5% 5%	1/10W 1/10W	
L9 L71	1-408-419-00 1-408-419-00	INDUCTOR INDUCTOR	68UH 68UH			R55	1-216-043-00	METAL GLAZE	560 4.7K	5%	1/10W	
L101 L121	1-408-399-00 1-408-407-00	INDUCTOR	6.8UH			R57	1-216-065-00 1-216-065-00 1-216-041-00	METAL GLAZE	4.7K	5% 5% 5% 5%	1/10W 1/10W	
	<tra< td=""><td>NSISTOR></td><td>68UH 68UH 68UH 68UH 68UH 5.6UH 68UH 1.5UH 6.8UH 25C1623-L5L6 25K105A-10 DTC114YK 2SA1162-G 2SC1623-L5L6 2SC1623-L5L6</td><td></td><td></td><td>R59</td><td>1-216-041-00</td><td>METAL GLAZE</td><td>470 560</td><td>5% 5%</td><td>1/10W 1/10W</td><td></td></tra<>	NSISTOR>	68UH 68UH 68UH 68UH 68UH 5.6UH 68UH 1.5UH 6.8UH 25C1623-L5L6 25K105A-10 DTC114YK 2SA1162-G 2SC1623-L5L6 2SC1623-L5L6			R59	1-216-041-00	METAL GLAZE	470 560	5% 5%	1/10W 1/10W	
Q1	8-729-901-59	TRANSISTOR	BF199			R60 R61	1-216-043-00 1-216-295-00	METAL GLAZE METAL GLAZE	560 0	5% 5%	1/10W 1/10W	
Q4 Q5 Q6	8-729-120-28 8-729-115-10 8-729-900-52	TRANSISTOR TRANSISTOR	2SC1623-L5L6 2SK105A-10			R63 R71	1-216-043-00 1-216-079-00	METAL GLAZE	560 18K	5%%%%% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/10W 1/10W	
Q7	8-729-216-22	TRANSISTOR	25A1162-G			K7Z	1-216-079-00	METAL GLAZE	18K		1/10W	
Q8 Q10	8-729-120-28 8-729-120-28	TRANSISTOR TRANSISTOR	2SC1623-L5L6 2SC1623-L5L6			R74 R75	1-216-049-00 1-216-079-00 1-216-079-00	METAL GLAZE	1 K 18 K 18 K	5% 5% 5%	1/10W 1/10W 1/10W	
Q11 Q12	8-729-120-28 8-729-120-28		2SC1623-L5L6 2SC1623-L5L6			R76 R77	1-216-079-00 1-216-025-00 1-216-174-00	METAL GLAZE METAL GLAZE	100 100	5% 5%	1/10W 1/8W	
Q13	8-729-120-28		23(1023-1310			R81	1-216-095-00	METAL GLAZE	82K		1/10W	
Q14 Q15 Q16	8-729-120-28 8-729-120-28	TRANSISTOR	2SC1623-L5L6 2SC1623-L5L6			R82 R83	1-216-121-00 1-216-025-00	METAL GLAZE	1M 100	5% 5% 5% 5%	1/10W 1/10W	
Q101 Q121	8-729-216-22 8-729-104-80 8-729-120-28	TRANSISTOR TRANSISTOR TRANSISTOR	2SC3355 2SC1623-L5L6			R84 R85	1-216-085-00 1-216-085-00	METAL GLAZE METAL GLAZE	33K 33K	5% 5%	1/10W 1/10W	
*	0 (2) 120 20	1111110101011	2001025 2520		ļ	R86 R87	1-216-689-11 1-216-095-00	METAL GLAZE METAL GLAZE	39K 82K	5% 5%	1/10W 1/10W	
IDO		ISTOR>				R88 R89	1-216-095-00 1-216-095-00	METAL GLAZE METAL GLAZE	82K 82K	5% 5% 5% 5%	1/10W 1/10W	
JR2 JR3 JR5	1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5%	1/10W 1/8W		R90	1-216-075-00	METAL GLAZE	12K		1/10W	
R1 R2	1-216-296-00 1-216-025-00 1-216-065-00	METAL GLAZE METAL GLAZE	100 5% 4.7K 5%	1/8W 1/10W 1/10W		R91 R92 R93	1-216-295-00 1-216-075-00 1-216-075-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 12K 12K	5% 5%	1/10W 1/10W 1/10W	
R3	1-216-065-00	METAL GLAZE	4.7K 5%	1/10W	 		1-216-059-00 1-216-059-00	METAL GLAZE METAL GLAZE	2.7K 2.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
R4 R5	1-216-041-00 1-216-021-00	METAL GLAZE METAL GLAZE	68 5%	1/10W 1/10W	i ! !	R96	1-216-059-00	METAL GLAZE	2.7K		1/10W	
R6 R8	1-216-055-00 1-216-051-00	METAL GLAZE METAL GLAZE		1/10W 1/10W		R98	1-216-057-00 1-216-057-00	METAL GLAZE METAL GLAZE	2.2K 2.2K	5% 5%	1/10W 1/10W	
R9 R10	1-216-069-00 1-216-071-00	METAL GLAZE		1/10W 1/10W	 	R99 R100	1-216-057-00 1-216-065-00	METAL GLAZE METAL GLAZE	2.2K 4.7K	5% 5%	1/10W 1/10W	
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REF.NO	. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION	l -			REMAR																																																																																																																														
R102 R103 R104 R105 R121	1-216-065-00 1-216-063-00 1-216-049-00 1-216-033-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 3.9K 1K 220 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		D705 D706 D707 D708 D709	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119))																																																																																																																																	
R122 R123 R124 R125 R301	1-216-065-00 1-216-041-00 1-216-041-00 1-216-041-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 470 470 470 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		D710 D713	8-719-911-19 8-719-911-55	DIODE 188119 DIODE UO5G																																																																																																																																		
R302 R303 R304 R305 R306	1-216-049-00 1-216-049-00 1-216-037-00 1-216-049-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 1K 330 1K 100	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		J701	<jac 1-540-223-11 <c01< td=""><td>SOCKET, PICT</td><td>CURE TUB</td><td>E</td><td></td><td></td></c01<></jac 	SOCKET, PICT	CURE TUB	E																																																																																																																																
R307 R308	1-216-037-00 1-216-037-00		330 330	5% 5%	1/10W 1/10W		L701 L703 L705 L707	1-410-667-31 1-408-609-41 1-408-609-41 1-408-609-41	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	22UH 33UH 33UH 33UH																																																																																																																																	
RV2		IABLE RESISTO RES, ADJ, CA		2 K				<tr <="" td=""><td>NSISTOR></td><td></td><td></td><td></td><td></td></tr> <tr><td>T1 T3</td><td></td><td>NSFORMER></td><td>IDON Z</td><td>. ZA</td><td></td><td></td><td>Q701 Q702 Q703 Q704 Q705</td><td></td><td>TRANSISTOR I TRANSISTOR I TRANSISTOR I TRANSISTOR I TRANSISTOR I</td><td>3F871 3F871 3F871</td><td></td><td></td><td></td></tr> <tr><td>T4 X1</td><td></td><td>COIL STAL> VIBRATOR, CE</td><td>RAMIC</td><td></td><td></td><td></td><td>Q706 Q707 Q708 Q709 Q710</td><td>8-729-906-70 8-729-200-17 8-729-200-17 8-729-200-17 8-729-120-28</td><td></td><td>2SA1091- 2SA1091- 2SA1091-</td><td>0 0</td><td></td><td></td></tr> <tr><td>****</td><td>************** *A-1331-223-A</td><td></td><td>PLETE</td><td>*****</td><td>******</td><td>*******</td><td>Q711 Q712 Q713 Q714</td><td>8-729-120-28 8-729-120-28 8-729-216-22 8-729-255-12</td><td>TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2</td><td>2SC1623- 2SA1162-</td><td>L5L6 G</td><td></td><td></td></tr> <tr><td></td><td>*4-341-752-01</td><td>EYELET (EYI~</td><td>EY4,EY</td><td>6~EY12</td><td>:)</td><td></td><td> </td><td><res< td=""><td>SISTOR></td><td></td><td></td><td></td><td></td></res<></td></tr> <tr><td>C701 C703 C705 C708</td><td>1-162-114-00 1-123-946-00 1-162-116-00</td><td>ELECT</td><td>0.004 4.7MF 680PF</td><td></td><td>20% 10% 10%</td><td>2KV 250V 2KV 50V</td><td>JR701 JR703 R701 R702 R703</td><td></td><td>METAL GLAZE SOLID SOLID</td><td>0 0 680K 100K 47K</td><td>5% 5% 10% 20% 20%</td><td>1/8W 1/8W 1/2W 1/2W 1/2W</td><td></td></tr> <tr><td>C709 C710 C711 C712 C713</td><td>1-163-005-11 1-163-005-11 1-101-880-00 1-163-121-00 1-163-121-00</td><td>CERAMIC CHIP</td><td>470PF 470PF 47PF 150PF</td><td></td><td>10% 10% 5% 5%</td><td>50V 50V 50V 50V 50V</td><td>R704 R705 R710 R711 R712</td><td>1-202-842-11 1-216-367-11 1-215-899-11 1-202-820-11 1-215-899-11</td><td>SOLID METAL OXIDE METAL OXIDE SOLID METAL OXIDE</td><td>220K 0.68 15K 1.5K 15K</td><td>10% 5% 5% 20% 5%</td><td>1/2W 1W 1W 1/2W 1W</td><td>F F</td></tr> <tr><td>C714 C716</td><td>1-163-121-00 1-124-122-11</td><td>CERAMIC CHIP</td><td></td><td>•</td><td>5% 20%</td><td>50¥ 50¥</td><td>R713 R714 R715 R716 R717</td><td>1-202-820-11 1-215-899-11 1-202-820-11 1-247-700-11 1-249-405-11</td><td>SOLID METAL OXIDE SOLID CARBON CARBON</td><td>1.5K 15K 1.5K 100 100</td><td>20% 5% 20% 5%</td><td>1/2₩ 1/4₩</td><td>F F</td></tr> <tr><td>CN040</td><td>2*1-508-786-00 3*1-564-511-11 1*1-508-768-00</td><td>PIN, CONNECT PLUG, CONNEC</td><td>TOR 8P</td><td>)</td><td></td><td></td><td>R718 R720 R722 R724 R725</td><td>1-247-700-11 1-249-417-11 1-247-713-11 1-249-417-11 1-216-067-00</td><td>CARBON CARBON CARBON CARBON METAL GLAZE</td><td>100 1K 1K 1K 5.6K</td><td>5%%%% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%</td><td></td><td></td></tr> <tr><td>D701 D702 D703 D704</td><td>8-719-911-19</td><td></td><td>))</td><td></td><td></td><td></td><td>R726 R727 R728 R729 R730</td><td>1-216-067-00 1-216-067-00 1-216-037-00 1-216-037-00 1-216-037-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>5.6K 5.6K 330 330 330</td><td>5% 5% 5% 5%</td><td>/10 W /10 W /10 W /10 W /10 W</td><td></td></tr>	NSISTOR>					T1 T3		NSFORMER>	IDON Z	. 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****	************** *A-1331-223-A		PLETE	*****	******	*******	Q711 Q712 Q713 Q714	8-729-120-28 8-729-120-28 8-729-216-22 8-729-255-12	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC1623- 2SA1162-	L5L6 G																																																																																																																																
	*4 -341-752-01	EYELET (EYI~	EY4,EY	6~EY12	:)			<res< td=""><td>SISTOR></td><td></td><td></td><td></td><td></td></res<>	SISTOR>																																																																																																																																		
C701 C703 C705 C708	1-162-114-00 1-123-946-00 1-162-116-00	ELECT	0.004 4.7MF 680PF		20% 10% 10%	2KV 250V 2KV 50V	JR701 JR703 R701 R702 R703		METAL GLAZE SOLID SOLID	0 0 680K 100K 47K	5% 5% 10% 20% 20%	1/8W 1/8W 1/2W 1/2W 1/2W																																																																																																																															
C709 C710 C711 C712 C713	1-163-005-11 1-163-005-11 1-101-880-00 1-163-121-00 1-163-121-00	CERAMIC CHIP	470PF 470PF 47PF 150PF		10% 10% 5% 5%	50V 50V 50V 50V 50V	R704 R705 R710 R711 R712	1-202-842-11 1-216-367-11 1-215-899-11 1-202-820-11 1-215-899-11	SOLID METAL OXIDE METAL OXIDE SOLID METAL OXIDE	220K 0.68 15K 1.5K 15K	10% 5% 5% 20% 5%	1/2W 1W 1W 1/2W 1W	F F																																																																																																																														
C714 C716	1-163-121-00 1-124-122-11	CERAMIC CHIP		•	5% 20%	50¥ 50¥	R713 R714 R715 R716 R717	1-202-820-11 1-215-899-11 1-202-820-11 1-247-700-11 1-249-405-11	SOLID METAL OXIDE SOLID CARBON CARBON	1.5K 15K 1.5K 100 100	20% 5% 20% 5%	1/2₩ 1/4₩	F F																																																																																																																														
CN040	2*1-508-786-00 3*1-564-511-11 1*1-508-768-00	PIN, CONNECT PLUG, CONNEC	TOR 8P)			R718 R720 R722 R724 R725	1-247-700-11 1-249-417-11 1-247-713-11 1-249-417-11 1-216-067-00	CARBON CARBON CARBON CARBON METAL GLAZE	100 1K 1K 1K 5.6K	5%%%% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%																																																																																																																																
D701 D702 D703 D704	8-719-911-19))				R726 R727 R728 R729 R730	1-216-067-00 1-216-067-00 1-216-037-00 1-216-037-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 5.6K 330 330 330	5% 5% 5% 5%	/10 W /10 W /10 W /10 W /10 W																																																																																																																															

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REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R731 1-216-017-00 R732 1-216-017-00 R733 1-216-017-00 R734 1-202-549-00 R735 1-216-049-00	SOLID 1	47 5% 47 5% 47 5% 100 20% 1K 5%	1/10W 1/10W 1/10W 1/2W 1/10W		C1684 C1690 C1801 C1802 C1803	I-137-122-91 1-124-046-00 1-124-910-11 1-124-910-11 1-137-126-91	FILM BLECT BLECT BLECT FILM	0.0022MF 10MF 47MF 47MF 0.01MF	5% 20% 20% 20% 5%	63V 160V 50V 50V 63V
R738 1-216-025-00 R739 1-216-025-00 R740 1-216-025-00 R741 1-216-089-00 R742 1-216-295-00	METAL GLAZE 1	100 5% 100 5% 100 5% 47K 5% 0 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C1804 C1805 C1806 C1807 C1809	1-137-126-91 1-137-132-91 1-137-132-91 1-124-360-00 1-136-104-00	FILM FILM FILM BLECT FILM	0.01MF 0.1MF 0.1MF 1000MF 0.16MF	5% 5% 5% 20% 5%	63V 63V 63V 16V 200V
R749 1-215-926-00 R751 1-216-489-11 R753 1-216-073-00	METAL OXIDE 1 METAL OXIDE 2 METAL OXIDE 2 METAL GLAZE 1	27K 5% 18K 5% 33K 5% 27K 5% 10K 5%	1/4W 3W 3W 3W 1/10W	ፑ ፑ	C1810 C1811 C1812 C1813 C1814	1-137-028-11 1-162-318-11 1-124-927-11 1-137-130-91 1-124-907-11	FILM CERAMIC BLECT FILM BLECT	1MF 0.001MF 4.7MF 0.047MF 10MF	10% 10% 20% 5% 20%	63V 500V 50V 63V 50V
R758 1-249-419-11 R759 1-249-419-11 R760 1-249-419-11	CARBON 1 CARBON 1 CARBON 1 RIABLE RESISTOR>	1.5K 5% 1.5K 5% 1.5K 5%	1/4W 1/4W 1/4W		C1815 C1816 C1817 C1818 C1819	1-124-907-11 1-126-233-11 1-124-927-11 1-124-910-11 1-137-132-91	BLBCT BLBCT BLBCT BLBCT FILM	10MF 22MF 4.7MF 47MF 0.1MF	20% 20% 20% 20% 5%	50V 50V 50V 50V 63V
<va RV701 1-230-641-11 RV702 1-241-714-11</va 	RES, ADJ, METAL RES, ADJ, METAL	L GLAZE 2.2 L FILM 110M	M I		C1820 C1822	1-126-103-11 1-137-043-11	ELECT FILM	470MF 0.0047MF	20 % 10 %	16V 400V
and the state of t					;					
*A-1341-570-A	D1 BOARD, COMPL	LETE ****			CN0607 CN0622	*1-568-879-51 *1-564-512-11	PIN, CONNECTO PLUG, CONNECT	OR 4P FOR 9P		
*4-341-751-01 *4-341-752-01 4-382-854-11	D1 BOARD, COMPL ************************************	2) 4) P, SW (+)			CN0630 CYI	*1-568-878-51 *1-508-765-00 <dio< td=""><td>PIN, CONNECTO PIN, CONNECTO DE></td><td>DR 3P DR (5MM PITC</td><td>H) 3P</td><td></td></dio<>	PIN, CONNECTO PIN, CONNECTO DE>	DR 3P DR (5MM PITC	H) 3P	
<ca< td=""><td>PACITOR></td><td></td><td></td><td></td><td>D1601 D1602</td><td>8-719-911-19 8-719-109-97</td><td>DIODE 188119 DIODE RD6.8ES</td><td>5-B2</td><td></td><td></td></ca<>	PACITOR>				D1601 D1602	8-719-911-19 8-719-109-97	DIODE 188119 DIODE RD6.8ES	5-B2		
C1601 1-124-903-11 C1602 1-126-320-11 C1603 1-137-134-91 C1605 1-124-907-11 C1606 1-124-910-11	BLECT	MF OMF .22MF OMF 7MF	20% 20% 5% 20% 20%	50V 16V 63V 50V 50V	D1603 D1605 D1606	8-719-979-85 8-719-911-19 8-719-981-01	DIODE EGP20G DIODE 1SS119 DIODE ERA81-(004		
C1607 1-124-902-00 C1608 1-102-112-00 C1610 1-136-103-00 C1611 1-124-903-11		.47MF 30PF .1MF MF .015MF		50V 50V 200V 50V	D1613	8-719-911-19 8-719-981-01 8-719-911-19 8-719-970-87 8-719-109-89	DIODE RD5.6ES	16		
C1614 1-137-127-91 C1615 1-124-903-11 C1617 1-137-038-91 C1618 1-102-074-00 C1620 1-136-601-11	ELECT 1M FILM 0. CERAMIC 0.	MF .001MF .001MF	20% 10% 10%	63V 50V 400V 50V 630V	D1614 D1680 D1801 D1802 D1803	8-719-911-19 8-719-970-87 8-719-981-01 8-719-911-19 8-719-911-19	DIODE ISSI19 DIODE ERA38-C DIODE ERA81-C DIODE ISSI19 DIODE ISSI19	06 004		
C1622 1-124-557-11 C1623 1-137-038-91	ELECT 10	000MF	20%	25V	D1804 D1805	8-719-911-19 8-719-801-35	DIODE 188119 THYRISTOR SHO	R3D42		
C1625	ELECT 10 FILM 0. FILM 0.	OMF .IMF .47MF	20% 5% 5%	400V 16V 63V 63V 50V	D1806 D1807 D1808 D1809 D1810	8-719-981-01 8-719-981-01 8-719-911-19 8-719-911-19	DIODE ERA81-0 DIODE ERA81-0 DIODE 1SS119			
C1629 1-136-557-11 C1630 1-102-244-00 C1631 1-124-907-11 C1632 1-124-907-11 C1633 1-124-907-11	CERAMIC 22 ELECT 10 ELECT 10	20PF OMF OMF	10% 20% 20%	630V 500V 50V 50V	D1810 D1811 D1812 D1813	8-719-911-19 8-719-300-33 8-719-911-19 8-719-911-19	DIODE ISSI19 DIODE RU-3AM DIODE ISSI19 DIODE ISSI19			
C1634 1-137-043-11 C1635 1-129-718-00	FILM O.	.022MF	10% 6	400V 630V	IC1601	<ic> 8-759-135-80</ic>	IC UPC358C			
C1637	FILM 0. ELECT 0.	.0022MF .47MF	5% 6 20% :	63V 160V 630V	IC1603 IC1604 IC1801	8-759-987-16 8-759-987-16 8-749-920-58	IC LM393P IC LM393P IC SI-3090CA EYELET; IC180	1		

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IC1802 8-752-052-88 IC1803 8-759-135-80	IC UPC358C		R1617 R1619 R1620	1-216-081-00 1-216-085-00 1-249-419-11	METAL GLAZE METAL GLAZE CARBON	22K 5% 33K 5% 1.5K 5%	1/10W 1/10W 1/4W																																																																																																																																																																																																
<c01< td=""><td>L></td><td></td><td>R1621 R1622</td><td>1-215-876-71 1-215-870-71</td><td>METAL OXIDE METAL OXIDE</td><td>15K 5% 1.5K 5%</td><td>1W F 1W F</td></c01<>	L>		R1621 R1622	1-215-876-71 1-215-870-71	METAL OXIDE METAL OXIDE	15K 5% 1.5K 5%	1W F 1W F																																																																																																																																																																																																
L1601 1-410-093-11 L1602 1-459-075-00 L1607 1-459-148-00 *4-341-751-01	INDUCTOR 33MMH COIL, DYNAMIC CONVERSION CHOKE COIL EYELET; L1607 COIL (WITH CORE) (PMC) COIL, HCC DUST CORE 3.9MMH ANSISTOR>		R1623 R1624 R1625	1-249-429-11 1-216-061-00 1-249-430-11	CARBON METAL GLAZE CARBON	10K 5% 3.3K 5% 12K 5%	1/4W 1/10W 1/4W																																																																																																																																																																																																
L1801 1-459-592-11	COIL (WITH CORE) (PMC)		R1626 R1627	1-249-409-11 1-249-415-11	CARBON CARBON	220 5% 680 5%	1/4W 1/4W																																																																																																																																																																																																
L1802 I-459-087-00	COIL, HCC DUST CURE 3.9MMH		R1628	1-216-057-00	METAL GLAZE CARBON CARRON	2.2K 5% 10K 5%	1/10W 1/4W 1/4W																																																																																																																																																																																																
<tr <="" td=""><td>ANSISTOR></td><td></td><td>R1631</td><td>1-216-057-00</td><td>METAL GLAZE</td><td>2.2K 5%</td><td>1/4W 1/10W</td></tr> <tr><td>Q1601 8-729-173-38 Q1602 8-729-119-78 Q1603 8-729-119-78 Q1604 8-729-173-38 Q1605 8-729-173-38</td><td>TRANSISTOR 2SA733-K TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K TRANSISTOR 2SA733-K TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE</td><td></td><td>R1632 R1633 R1634 R1635</td><td>1-249-431-11 1-249-421-11 1-216-093-00 1-216-073-00</td><td>CARBON CARBON METAL GLAZE METAL GLAZE</td><td>15K 5% 2.2K 5% 68K 5% 10K 5%</td><td>1/4W 1/4W 1/10W 1/10W</td></tr> <tr><td>01606 8-729-119-80</td><td>TRANSISTOR 2SC2688-LK</td><td></td><td>R1636</td><td>1-216-073-00 1-216-057-00</td><td>METAL GLAZE METAL GLAZE</td><td>10K 5% 2.2K 5%</td><td>1/10W 1/10W</td></tr> <tr><td>Q1608 8-729-119-80 Q1608 8-729-300-80 Q1609 8-729-140-96</td><td>TRANSISTOR 2502000-0K TRANSISTOR 25B860 TRANSISTOR 25D774-34</td><td></td><td>R1639</td><td>1-249-405-11 1-249-405-11 1-249-405-11</td><td>CARBON CARBON</td><td>100 5% 100 5%</td><td>1/4W 1/4W F 1/4W F</td></tr> <tr><td>Q1610 8-729-119-78</td><td>TRANSISTOR 2SC2785-HFE</td><td></td><td>R1641</td><td>1-249-405-11</td><td>CARBON</td><td>100 5%</td><td>1/4W</td></tr> <tr><td>Q1611 8-729-119-78 Q1612 8-729-173-38</td><td>TRANSISTUR 2SC2785-HFE TRANSISTOR 2SA733-K TRANSISTOR 2SA1017</td><td></td><td>R1645</td><td>1-216-081-00 1-216-113-00 1-216-065-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>22K 5% 470K 5%</td><td>1/10W 1/10W 1/10W</td></tr> <tr><td>Q1614 8-729-011-02 Q1614 8-729-173-38 Q1615 8-729-011-06</td><td>TRANSISTOR 25A733-K TRANSISTOR 2SC3840K</td><td></td><td>R1647</td><td>1-216-067-00</td><td>METAL GLAZE</td><td>5.6K 5%</td><td>1/10W</td></tr> <tr><td>Q1616 8-729-173-38</td><td>TRANSISTOR 2SA733-K</td><td></td><td>R1648 R1650</td><td>1-249-435-11 1-249-425-11</td><td>CARBON CARBON</td><td>33K 5% 4.7K 5%</td><td>1/4W 1/4W</td></tr> <tr><td>Q1617 8-729-119-78 Q1618 8-729-119-78 Q1802 8-729-173-38</td><td>TRANSISTUR 25C2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K</td><td></td><td>R1652 R1653</td><td>1-216-025-00 1-216-107-00 1-247-889-00</td><td>METAL GLAZE METAL GLAZE CARRON</td><td>100 5% 270K 5% 270K 5%</td><td>1/10W 1/10W 1/46</td></tr> <tr><td>Q1803 8-729-119-78</td><td>TRANSISTOR 2SA733-K TRANSISTOR 2SC3840K TRANSISTOR 2SC3785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SB734-34 TRANSISTOR 2SB734-34 TRANSISTOR 2SB734-34 TRANSISTOR 2SA733-K TRANSISTOR 2SD2785-HFE TRANSISTOR 2SD2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE</td><td></td><td>R1655</td><td>1-215-876-71</td><td>METAL OXIDE</td><td>15K 5%</td><td>174w 1W F</td></tr> <tr><td>Q1804 8-729-119-78 Q1805 8-729-140-97</td><td>TRANSISTOR 2SC2785-HFE TRANSISTOR 2SB734-34 TRANSISTOR 2SC2785-HFE</td><td></td><td>R1656</td><td>1-249-413-11 1-249-393-11</td><td>CARBON CARBON</td><td>470 5% 10 5%</td><td>1/4W 1/4W F</td></tr> <tr><td>Q1806 8-729-119-78 Q1807 8-729-140-97 Q1808 8-729-173-38</td><td>TRANSISTOR 2SE734-34 TRANSISTOR 2SA733-K</td><td></td><td>R1659</td><td>1-249-437-11</td><td>METAL GLAZE</td><td>0 5%</td><td>1/4W 1/1 OW</td></tr> <tr><td>Q1809 8-729-209-15</td><td>TRANSISTOR 2SD2012</td><td></td><td>R1660 R1661</td><td>1-216-089-00 1-216-073-00</td><td>METAL GLAZE METAL GLAZE</td><td>47K 5% 10K 5%</td><td>1/1 OW 1/1 OW</td></tr> <tr><td>Q1810 8-729-140-96 Q1811 8-729-119-78</td><td>TRANSISTOR 2SD774-34 TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE</td><td></td><td>R1662</td><td>1-216-097-00 1-249-412-11</td><td>METAL GLAZE CARBON METAL OVIDE</td><td>100K 5% 390 5%</td><td>1/1 OW 1/4 W F 2 W F</td></tr> <tr><td>Q1813 8-729-119-78</td><td>TRANSISTOR 2SC2785-HFE</td><td></td><td>R1666</td><td>1-216-459-00</td><td>METAL OXIDE</td><td>2.7K 5%</td><td>2W F</td></tr> <tr><td><re< td=""><td>SISTOR></td><td></td><td>R1671 R1680</td><td>1-216-081-00 1-249-417-11</td><td>METAL GLAZE Carbon</td><td>22K 5%</td><td>1/1 OW 1/4 W</td></re<></td></tr> <tr><td>JR1 1-216-295-00 JR2 1-216-295-00</td><td>METAL GLAZE 0 5% 1/100 METAL GLAZE 0 5% 1/100 METAL GLAZE 3.3K 5% 1/100</td><td></td><td>R1681 R1682</td><td>1-249-429-11 1-249-433-11</td><td>CARBON CARBON</td><td>1K 5% 10K 5% 22K 5%</td><td>1/4W 1/4W</td></tr> <tr><td>R1601 1-216-061-00 R1602 1-249-433-11</td><td>CARBON 22K 5% 1/4W</td><td>W</td><td>R1683 R1684</td><td>1-249-411-11 1-249-436-11</td><td>CARBON CARBON</td><td>330 5% 39K 5% 100K 5%</td><td>1/4W 1/4W</td></tr> <tr><td>R1603 1-216-073-00</td><td></td><td></td><td>R1685</td><td>1-249-441-11</td><td>CARBON CARBON</td><td>100K 5%</td><td>1/464</td></tr> <tr><td>R1604 1-249-429-11 R1605 1-216-081-00 R1606 1-249-425-11</td><td>METAL GLAZE 22K 5% 1/10 CARBON 4.7K 5% 1/4W</td><td>W</td><td>R1687</td><td>1-249-441-11 1-249-409-11</td><td>CARBON CARBON</td><td></td><td>1/4W 1/4W</td></tr> <tr><td>R1607 1-249-436-11 R1608 1-216-091-00</td><td>CARBON 39K 5% 1/4W</td><td></td><td>R1802 R1804</td><td>1-249-409-11 1-247-891-00</td><td>CARBON CARBON</td><td>220 5% 330K 5%</td><td>1/4W 1/4W</td></tr> <tr><td>R1609 1-216-082-00 R1610 1-216-689-11</td><td>METAL GLAZE 24K 5% 1/10 METAL GLAZE 39K 5% 1/10</td><td></td><td>R1806 R1807</td><td>1-216-103-00 1-247-891-00</td><td>METAL GLAZE CARBON</td><td>180K 5% 330K 5%</td><td>1/1/0W 1/4W</td></tr> <tr><td>R1611 1-216-113-00 R1612 1-249-425-11</td><td>METAL GLAZE 470K 5% 1/10 CARBON 4.7K 5% 1/4W</td><td>W</td><td>R1808 R1809</td><td>1-215-461-00 1-249-423-11</td><td>METAL Carbon</td><td>47K 1% 3.3K 5%</td><td>1/464 1/464</td></tr> <tr><td>R1613 1-249-425-11 R1615 1-249-427-11</td><td></td><td></td><td>R1810</td><td>1-216-083-00</td><td>CARBON METAL GLAZE</td><td>470 5% 27K 5%</td><td>1/464 1/10W</td></tr> <tr><td></td><td>CARBON 6.8K 5% 1/4W METAL GLAZE 2.2K 5% 1/10</td><td></td><td>1 1012</td><td>1-216-091-00</td><td>METAL GLAZE</td><td>56K 5%</td><td>1/10₩</td></tr>	ANSISTOR>		R1631	1-216-057-00	METAL GLAZE	2.2K 5%	1/4W 1/10W	Q1601 8-729-173-38 Q1602 8-729-119-78 Q1603 8-729-119-78 Q1604 8-729-173-38 Q1605 8-729-173-38	TRANSISTOR 2SA733-K TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K TRANSISTOR 2SA733-K TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE 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1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	22K 5% 470K 5%	1/10W 1/10W 1/10W	Q1614 8-729-011-02 Q1614 8-729-173-38 Q1615 8-729-011-06	TRANSISTOR 25A733-K TRANSISTOR 2SC3840K		R1647	1-216-067-00	METAL GLAZE	5.6K 5%	1/10W	Q1616 8-729-173-38	TRANSISTOR 2SA733-K		R1648 R1650	1-249-435-11 1-249-425-11	CARBON CARBON	33K 5% 4.7K 5%	1/4W 1/4W	Q1617 8-729-119-78 Q1618 8-729-119-78 Q1802 8-729-173-38	TRANSISTUR 25C2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K		R1652 R1653	1-216-025-00 1-216-107-00 1-247-889-00	METAL GLAZE METAL GLAZE CARRON	100 5% 270K 5% 270K 5%	1/10W 1/10W 1/46	Q1803 8-729-119-78	TRANSISTOR 2SA733-K TRANSISTOR 2SC3840K TRANSISTOR 2SC3785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SB734-34 TRANSISTOR 2SB734-34 TRANSISTOR 2SB734-34 TRANSISTOR 2SA733-K TRANSISTOR 2SD2785-HFE TRANSISTOR 2SD2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE		R1655	1-215-876-71	METAL OXIDE	15K 5%	174 w 1W F	Q1804 8-729-119-78 Q1805 8-729-140-97	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SB734-34 TRANSISTOR 2SC2785-HFE		R1656	1-249-413-11 1-249-393-11	CARBON CARBON	470 5% 10 5%	1/4W 1/4W F	Q1806 8-729-119-78 Q1807 8-729-140-97 Q1808 8-729-173-38	TRANSISTOR 2SE734-34 TRANSISTOR 2SA733-K		R1659	1-249-437-11	METAL GLAZE	0 5%	1/4 W 1/1 OW	Q1809 8-729-209-15	TRANSISTOR 2SD2012		R1660 R1661	1-216-089-00 1-216-073-00	METAL GLAZE METAL GLAZE	47K 5% 10K 5%	1/1 OW 1/1 OW	Q1810 8-729-140-96 Q1811 8-729-119-78	TRANSISTOR 2SD774-34 TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE		R1662	1-216-097-00 1-249-412-11	METAL GLAZE CARBON METAL OVIDE	100K 5% 390 5%	1/1 OW 1/4 W F 2 W F	Q1813 8-729-119-78	TRANSISTOR 2SC2785-HFE		R1666	1-216-459-00	METAL OXIDE	2.7K 5%	2W F	<re< td=""><td>SISTOR></td><td></td><td>R1671 R1680</td><td>1-216-081-00 1-249-417-11</td><td>METAL GLAZE Carbon</td><td>22K 5%</td><td>1/1 OW 1/4 W</td></re<>	SISTOR>		R1671 R1680	1-216-081-00 1-249-417-11	METAL GLAZE Carbon	22K 5%	1/1 OW 1/4 W	JR1 1-216-295-00 JR2 1-216-295-00	METAL GLAZE 0 5% 1/100 METAL GLAZE 0 5% 1/100 METAL GLAZE 3.3K 5% 1/100		R1681 R1682	1-249-429-11 1-249-433-11	CARBON CARBON	1K 5% 10K 5% 22K 5%	1/4W 1/4W	R1601 1-216-061-00 R1602 1-249-433-11	CARBON 22K 5% 1/4W	W	R1683 R1684	1-249-411-11 1-249-436-11	CARBON CARBON	330 5% 39K 5% 100K 5%	1/4 W 1/4 W	R1603 1-216-073-00			R1685	1-249-441-11	CARBON CARBON	100K 5%	1/464	R1604 1-249-429-11 R1605 1-216-081-00 R1606 1-249-425-11	METAL GLAZE 22K 5% 1/10 CARBON 4.7K 5% 1/4W	W	R1687	1-249-441-11 1-249-409-11	CARBON CARBON		1/4W 1/4W	R1607 1-249-436-11 R1608 1-216-091-00	CARBON 39K 5% 1/4W		R1802 R1804	1-249-409-11 1-247-891-00	CARBON CARBON	220 5% 330K 5%	1/4W 1/4W	R1609 1-216-082-00 R1610 1-216-689-11	METAL GLAZE 24K 5% 1/10 METAL GLAZE 39K 5% 1/10		R1806 R1807	1-216-103-00 1-247-891-00	METAL GLAZE CARBON	180K 5% 330K 5%	1/1/0W 1/4 W	R1611 1-216-113-00 R1612 1-249-425-11	METAL GLAZE 470K 5% 1/10 CARBON 4.7K 5% 1/4W	W	R1808 R1809	1-215-461-00 1-249-423-11	METAL Carbon	47K 1% 3.3K 5%	1/4 6 4 1/4 6 4	R1613 1-249-425-11 R1615 1-249-427-11			R1810	1-216-083-00	CARBON METAL GLAZE	470 5% 27K 5%	1/4 64 1/10W		CARBON 6.8K 5% 1/4W METAL GLAZE 2.2K 5% 1/10		1 1012	1-216-091-00	METAL GLAZE	56K 5%	1/1 0 ₩
ANSISTOR>		R1631	1-216-057-00	METAL GLAZE	2.2K 5%	1/4W 1/10W																																																																																																																																																																																																	
Q1601 8-729-173-38 Q1602 8-729-119-78 Q1603 8-729-119-78 Q1604 8-729-173-38 Q1605 8-729-173-38	TRANSISTOR 2SA733-K TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K TRANSISTOR 2SA733-K TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2688-LK TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE		R1632 R1633 R1634 R1635	1-249-431-11 1-249-421-11 1-216-093-00 1-216-073-00	CARBON CARBON METAL GLAZE METAL GLAZE	15K 5% 2.2K 5% 68K 5% 10K 5%	1/4W 1/4W 1/10W 1/10W																																																																																																																																																																																																
01606 8-729-119-80	TRANSISTOR 2SC2688-LK		R1636	1-216-073-00 1-216-057-00	METAL GLAZE METAL GLAZE	10K 5% 2.2K 5%	1/10W 1/10W																																																																																																																																																																																																
Q1608 8-729-119-80 Q1608 8-729-300-80 Q1609 8-729-140-96	TRANSISTOR 2502000-0K TRANSISTOR 25B860 TRANSISTOR 25D774-34		R1639	1-249-405-11 1-249-405-11 1-249-405-11	CARBON CARBON	100 5% 100 5%	1/4W 1/4W F 1/4W F																																																																																																																																																																																																
Q1610 8-729-119-78	TRANSISTOR 2SC2785-HFE		R1641	1-249-405-11	CARBON	100 5%	1/4W																																																																																																																																																																																																
Q1611 8-729-119-78 Q1612 8-729-173-38	TRANSISTUR 2SC2785-HFE TRANSISTOR 2SA733-K TRANSISTOR 2SA1017		R1645	1-216-081-00 1-216-113-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	22K 5% 470K 5%	1/10W 1/10W 1/10W																																																																																																																																																																																																
Q1614 8-729-011-02 Q1614 8-729-173-38 Q1615 8-729-011-06	TRANSISTOR 25A733-K TRANSISTOR 2SC3840K		R1647	1-216-067-00	METAL GLAZE	5.6K 5%	1/10W																																																																																																																																																																																																
Q1616 8-729-173-38	TRANSISTOR 2SA733-K		R1648 R1650	1-249-435-11 1-249-425-11	CARBON CARBON	33K 5% 4.7K 5%	1/4W 1/4W																																																																																																																																																																																																
Q1617 8-729-119-78 Q1618 8-729-119-78 Q1802 8-729-173-38	TRANSISTUR 25C2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K		R1652 R1653	1-216-025-00 1-216-107-00 1-247-889-00	METAL GLAZE METAL GLAZE CARRON	100 5% 270K 5% 270K 5%	1/10W 1/10W 1/46																																																																																																																																																																																																
Q1803 8-729-119-78	TRANSISTOR 2SA733-K TRANSISTOR 2SC3840K TRANSISTOR 2SC3785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SB734-34 TRANSISTOR 2SB734-34 TRANSISTOR 2SB734-34 TRANSISTOR 2SA733-K TRANSISTOR 2SD2785-HFE TRANSISTOR 2SD2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE		R1655	1-215-876-71	METAL OXIDE	15K 5%	174 w 1W F																																																																																																																																																																																																
Q1804 8-729-119-78 Q1805 8-729-140-97	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SB734-34 TRANSISTOR 2SC2785-HFE		R1656	1-249-413-11 1-249-393-11	CARBON CARBON	470 5% 10 5%	1/4W 1/4W F																																																																																																																																																																																																
Q1806 8-729-119-78 Q1807 8-729-140-97 Q1808 8-729-173-38	TRANSISTOR 2SE734-34 TRANSISTOR 2SA733-K		R1659	1-249-437-11	METAL GLAZE	0 5%	1/4 W 1/1 OW																																																																																																																																																																																																
Q1809 8-729-209-15	TRANSISTOR 2SD2012		R1660 R1661	1-216-089-00 1-216-073-00	METAL GLAZE METAL GLAZE	47K 5% 10K 5%	1/1 OW 1/1 OW																																																																																																																																																																																																
Q1810 8-729-140-96 Q1811 8-729-119-78	TRANSISTOR 2SD774-34 TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE		R1662	1-216-097-00 1-249-412-11	METAL GLAZE CARBON METAL OVIDE	100K 5% 390 5%	1/1 OW 1/4 W F 2 W F																																																																																																																																																																																																
Q1813 8-729-119-78	TRANSISTOR 2SC2785-HFE		R1666	1-216-459-00	METAL OXIDE	2.7K 5%	2W F																																																																																																																																																																																																
<re< td=""><td>SISTOR></td><td></td><td>R1671 R1680</td><td>1-216-081-00 1-249-417-11</td><td>METAL GLAZE Carbon</td><td>22K 5%</td><td>1/1 OW 1/4 W</td></re<>	SISTOR>		R1671 R1680	1-216-081-00 1-249-417-11	METAL GLAZE Carbon	22K 5%	1/1 OW 1/4 W																																																																																																																																																																																																
JR1 1-216-295-00 JR2 1-216-295-00	METAL GLAZE 0 5% 1/100 METAL GLAZE 0 5% 1/100 METAL GLAZE 3.3K 5% 1/100		R1681 R1682	1-249-429-11 1-249-433-11	CARBON CARBON	1K 5% 10K 5% 22K 5%	1/4W 1/4W																																																																																																																																																																																																
R1601 1-216-061-00 R1602 1-249-433-11	CARBON 22K 5% 1/4W	W	R1683 R1684	1-249-411-11 1-249-436-11	CARBON CARBON	330 5% 39K 5% 100K 5%	1/4 W 1/4 W																																																																																																																																																																																																
R1603 1-216-073-00			R1685	1-249-441-11	CARBON CARBON	100K 5%	1/464																																																																																																																																																																																																
R1604 1-249-429-11 R1605 1-216-081-00 R1606 1-249-425-11	METAL GLAZE 22K 5% 1/10 CARBON 4.7K 5% 1/4W	W	R1687	1-249-441-11 1-249-409-11	CARBON CARBON		1/4W 1/4W																																																																																																																																																																																																
R1607 1-249-436-11 R1608 1-216-091-00	CARBON 39K 5% 1/4W		R1802 R1804	1-249-409-11 1-247-891-00	CARBON CARBON	220 5% 330K 5%	1/4W 1/4W																																																																																																																																																																																																
R1609 1-216-082-00 R1610 1-216-689-11	METAL GLAZE 24K 5% 1/10 METAL GLAZE 39K 5% 1/10		R1806 R1807	1-216-103-00 1-247-891-00	METAL GLAZE CARBON	180K 5% 330K 5%	1/1/0W 1/4 W																																																																																																																																																																																																
R1611 1-216-113-00 R1612 1-249-425-11	METAL GLAZE 470K 5% 1/10 CARBON 4.7K 5% 1/4W	W	R1808 R1809	1-215-461-00 1-249-423-11	METAL Carbon	47K 1% 3.3K 5%	1/4 6 4 1/4 6 4																																																																																																																																																																																																
R1613 1-249-425-11 R1615 1-249-427-11			R1810	1-216-083-00	CARBON METAL GLAZE	470 5% 27K 5%	1/4 64 1/10W																																																																																																																																																																																																
	CARBON 6.8K 5% 1/4W METAL GLAZE 2.2K 5% 1/10		1 1012	1-216-091-00	METAL GLAZE	56K 5%	1/1 0 ₩																																																																																																																																																																																																

D1 D2 VM

REF.NO. PART NO.	DESCRIPTION	I -		REMARK	REF.NO.	PART NO.	DESCRIPTION	N ·		REMARK
R1813 1-249-417-11 R1815 1-216-069-00 R1816 1-216-065-00 R1817 1-216-059-00 R1818 1-216-049-00	METAL GLAZE METAL GLAZE	6.8K 5 4.7K 5 2.7K 5	5% 1/4W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		D1854	8-719-300-33 8-719-300-33 8-719-300-33	DIODE RU-3AN DIODE RU-3AN	М		
R1819 1-216-079-00 R1820 1-249-417-11 R1821 1-216-379-11 R1822 1-249-423-11 R1824 1-249-417-11	CARBON	1K 5	5% 1/10W 5% 1/4W 5% 2W 5% 1/4W 5% 1/4W	F	IC1852	<1C> 8-759-987-16 8-759-987-16 8-759-708-09	IC LM393P IC LM393P	A		
R1825 1-215-857-71 R1826 1-249-404-00 R1827 1-215-875-71 R1828 1-249-441-11 R1829 1-249-414-11		10 82 10K 100K 560	5% 1W 5% 1/4W 5% 1W 5% 1/4W 5% 1/4W	F	L1851	<01 1-460-200-11		CORE)		
R1830 1-249-411-11 R1831 1-249-426-11 R1832 1-215-864-71 R1833 1-249-421-11 R1834 1-216-091-00	CARBON METAL OXIDE CARBON	150 5 2.2K 5	1/4W 1/4W 1/4W 1/4W 1/4W 1/10W	F	Q1852	8-729-012-26	TRANSISTOR I	RF540Y		
R1835 1-249-393-11 R1836 1-249-435-11		33K F	5% 1/4W 5% 1/4W				ISTOR>			
R1837 1-249-435-11 R1838 1-216-379-11 R1839 1-249-410-11	METAL OXIDE	33K 5 6.8 5 270 5	5% 1/4W 5% 2W 5% 1/4W	F	R1852 R1853	1-249-435-11 1-249-417-11 1-247-887-00 1-249-437-11	CARBON CARBON CARBON CARBON	33K 5 1K 5 220K 5 47K 5	% 1/4W	
R1840 1-249-429-11 R1841 1-249-437-11 R1842 1-249-429-11	CARBON	10K 5 47K 5 10K 5	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W			1-247-895-00	CARBON	470K 5	% 1/4W	
R1843 1-249-421-11 R1846 1-249-429-11	CARBON	2.2K 5 10K 5	5% Î/4W 5% Î/4W		R1857 R1858	1-249-423-11 1-249-426-11 1-249-433-11	CARBON CARBON CARBON	3.3K 55 5.6K 55 22K 55	% 1/4₩	
R1847 1-216-065-00 R1848 1-249-429-11 R1849 1-216-065-00	CARBON	4.7K 5 10K 5 4.7K 5	5% 1/10W 5% 1/4W 5% 1/10W			1-249-421-11	CARBON METAL OXIDE	2.2K 5	% 1/4W	F
*********		-		******	R1862 R1863	1-215-875-71 1-249-405-11	METAL OXIDE CARBON	10K 5	7 1V 7 1/4W	F
*A-1341-571-A	D2 BOARD, CC				R1865	1-249-441-11 1-215-869-71	CARBON METAL OXIDE	100 55 100K 55 1K 55		F
*4-341-752-01	EYELET (EY99	10~EY993)			R1867	1-249-434-11 1-249-441-11 1-249-406-11	CARBON CARBON CARBON	27K 57 100K 57 120 57	ጀ 1/4 W ጀ 1/4 W ጀ 1/4 W	
<ca< td=""><td>PACITOR></td><td></td><td></td><td></td><td>! !</td><td></td><td>IABLE RESISTO</td><td></td><td></td><td></td></ca<>	PACITOR>				! !		IABLE RESISTO			
C1851 1-124-478-11 C1852 1-124-478-11 C1853 1-130-487-00	ELECT	100MF 100MF 0.022MF	20% 20%	25V 25V 50V	RV1851	1-241-629-11				
C1854 1-102-973-00 C1855 1-130-471-00	CERAMIC	100PF 0.001MF	5% 5% 5%	50V 50V		, <tra< td=""><td>NSFORMER></td><td></td><td></td><td></td></tra<>	NSFORMER>			
C1856 1-137-128-91 C1857 1-137-120-91	FILM	0.022MF 0.001MF	5% 5%	63V 63V	T1851	1-437-212-11 •4-341-752-01	TRANSFORMER, EYELET; T185	FERRITE	(VPDT)	
C1858 1-102-228-00 C1859 1-124-798-11 C1860 1-137-132-91	ELECT	470PF 1MF 0.1MF	10% 20% 5%	500V 160V 63V	į	*********			******	*******
C1861 1-124-798-11 C1862 1-136-104-00	ELECT FILM	1MF 0.16MF	20% 5%	160V 200V	1 1	⊧A-1342-189-A	VM BOARD, CO	MPLETE *****		
C1863 1-129-765-00		0.047MF	10%	200V	i 	4-382-854-11	SCREW (M3X10), P, SW ((+)	
	NNECTOR>	OLD BO D	0.100 400		 		ACITOR>			
CN1823*1-573-299-11		OAKU TU B	SOUKH TON		C1702 C1703	1-124-119-00 1-101-880-00 1-102-115-00	ELECT CERAMIC CERAMIC	330MF 47PF 560PF	201 5% 101	16V 50V 50V
D.4.0	ODE> DIODE 188119				C1704	1-161-830-00 1-124-120-11	CERAMIC ELECT	0.0047MF 220MF	201	500V 16V
	DIODE ISSI19				C1706	1-123-935-00	ELECT	33MF	201	1607

The components identified by shading and mark $ilde{\Lambda}$ are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	! -	L	REMARK
C1707 1-124-907-11 C1708 1-101-006-00 C1709 1-108-704-11 C1710 1-137-052-91 C1711 1-162-318-11	ELECT CERAMIC MYLAR FILM CERAMIC	10MF 0.047MF 0.1MF 0.047MF 0.001MF	20% 10% 10% 10%	50V 50V 200V 400V 500V	R1722 R1723 R1724	1-249-414-11 1-249-385-11 1-249-429-11 1-249-436-11 1-249-417-11	CARBON CARBON CARBON	560 5% 2.2 5% 10K 5% 39K 5% 1K 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F
C1712 1-124-799-11 C1713 1-162-318-11 C1714 1-137-052-91 C1716 1-124-907-11 C1719 1-124-907-11	ELECT	2.2MF 0.001MF 0.047MF 10MF 220MF	20% 10% 10% 20% 20%	160V 500V 400V 50V 16V	R1726 R1727 R1729 R1731 R1732	1-249-411-11 1-249-402-11 1-216-451-11 1-249-420-11 1-249-426-11 1-249-419-11	CARBON CARBON METAL OXIDE CARBON CARBON	330 5% 56 5% 120 5% 1.8K 5% 5.6K 5% 1.5K 5%	1/4W 1/4W 2W 1/4W 1/4W 1/4W	F F
<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>*****</td><td>******</td><td>*******</td><td>*******</td><td>*****</td><td>******</td></con<>	NECTOR>				*****	******	*******	*******	*****	******
CN1819*1-568-882-81 CN1830*1-568-878-51	PIN. CONNECTO	OR 7P				*A-1346-074-A	D BOARD, COM			
<010	DE>	on H				4-200-001-01 4-201-023-01 *4-341-751-01	SPACER, INSU EYELET (EY40 EY67,EY69,EY	~EY47,EY51~ 70,EY73~EY7	EY57,EY0 5,EY77~1	60~EY64, EY84,EY87,
D1701 8-719-911-19 D1702 8-719-911-19 D1703 8-719-911-19 D1704 8-719-982-37 D1705 8-719-982-37	DIODE ISSI19 DIODE ISSI19 DIODE MTZJ-39 DIODE MTZJ-39	9C 9C				*4-341-752-01 4-382-854-11 4-812-134-00	SCREW (M3X10	EY9,EY11~EY), P, SW (+	27,EY33)))
D1706 8-719-911-19 D1707 8-719-911-19						<cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<>	ACITOR>			
<c01< td=""><td>L></td><td></td><td></td><td></td><td>C603 A</td><td>1-130-202-00 &1-164-246-51</td><td>CERAMIC</td><td>0.022MF 0.0022MF</td><td>10% 20%</td><td>400V</td></c01<>	L>				C603 A	1-130-202-00 &1-164-246-51	CERAMIC	0.022MF 0.0022MF	10% 20%	400V
L1702 1-408-418-00	INDUCTOR	56UH			C605 C608 C612	1-124-910-11 1-124-903-11 1-137-125-91	ELECT ELECT	47MF 1MF 0.0068MF	20% 20% 5%	50 V 50 V 63 V
<tra< td=""><td>NS1STOR></td><td></td><td></td><td></td><td>C613 C615</td><td>1-129-722-00 1-126-943-11</td><td>FILM</td><td>0.047MF</td><td>10%</td><td>630V</td></tra<>	NS1STOR>				C613 C615	1-129-722-00 1-126-943-11	FILM	0.047MF	10%	630V
91701 8-729-119-78 91702 8-729-173-38 91703 8-729-208-39 91704 8-729-119-78	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SA733-K SA1306A-Y SC2785-HFR			C616 C617 C618	1-120-943-11 1-102-030-00 1-162-116-00 1-162-134-11	CERAMIC CERAMIC	2200MF 330PF 680PF 470PF	20% 10% 10%	25V 500V 2KV 2KV
Q1705 8-729-208-72 Q1706 8-729-119-78	TRANSISTOR 25 TRANSISTOR 25		:		C619 C621 C622	1-102-030-00 1-124-347-00 1-128-320-11		330PF 100MF 2200MF	10% 20% 20%	500V 160V 16V
Q1707 8-729-140-96 Q1708 8-729-907-06 Q1709 8-729-255-12	TRANSISTOR 25 TRANSISTOR BI TRANSISTOR 25	SD774-34 F199-AMMO			C623	1-102-030-00 1-126-800-51	CERAMIC ELECT	330PF 2200MF	10% 20%	500V 35V
	ISTOR>				C625 C627 C628 C629	1-126-800-51 1-137-124-91 1-124-910-11 1-124-907-11	ELECT Film Elect Elect	2200MF 0.0047MF 47MF 10MF	20% 5% 20% 20%	35V 63V 50V 50V
R1701 1-249-405-11 R1702 1-249-420-11 R1703 1-249-405-11 R1704 1-249-420-11 R1705 1-247-736-11	CARBON CARBON CARBON CARBON CARBON	100 5% 1.8K 5% 100 5% 1.8K 5% 56 5%	1/4W 1/4W	F	C631 C632 C633 C636 C640	1-163-075-00 1-137-128-91 1-163-078-11 1-137-132-91 1-126-233-11	CERAMIC CHIP FILM CERAMIC CHIP FILM ELECT	0.022MF	10% 5% 10% 5% 20%	25V 63V 25V 63V 50V
R1706 1-249-414-11 R1707 1-249-412-11 R1709 1-249-416-11 R1710 1-249-385-11 R1711 1-249-432-11	CARBON CARBON CARBON CARBON CARBON	560 5% 390 5% 820 5% 2.2 5% 18K 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F F	C801 C803 C804 C805 C806	1-137-116-11 1-164-695-11 1-137-130-91 1-124-902-00 1-124-907-11	FILM CERAMIC CHIP FILM ELECT ELECT	IMF	5% 5% 5% 20% 20%	200V 50V 63V 50V 50V
R1712 1-249-435-11 R1713 1-249-438-11 R1714 1-249-429-11 R1715 1-216-476-11 R1716 1-249-417-11	CARBON CARBON CARBON METAL OXIDE CARBON	33K 5% 56K 5% 10K 5% 180 5% 1K 5%	1/4W 1/4W 1/4W 3W 1/4W	٦ ٢	C807 C808 C809 C810 C812	1-137-039-91 1-162-114-00 1-124-808-51 1-163-001-11 1-162-318-11	FILM CERAMIC ELECT CERAMIC CHIP CERAMIC	0.0015MF 0.0047MF 10MF	10% 20% 10% 10%	400V 2KV 200V 50V 500V
R1717 1-249-432-11 R1718 1-249-410-11 R1719 1-249-419-11 R1720 1-249-441-11	CARBON CARBON CARBON CARBON	18K 5% 270 5% 1.5K 5% 100K 5%	1/4W 1/4W		C813 C815	1-108-704-11 1-162-117-00	MYLAR CERAMIC	0.1MF 100PF	10% 10%	200 V 500 V



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REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C816 1-102-244-00 C819 1-126-103-11 C821 A 1-137-347-11 C822 A 1-162-116-91 C823 1-124-902-00	ELECT 470MF FILM 0.022MF CERANIC 680PF	10% 20% 3% 10% 20%	500V 16V 2XV 2XV 50V	CN0522 CN0523 CN0524	2*1-564-512-11 5 1-573-296-11 1*1-568-878-51	PIN, CONNECTOR (5MM PITCH) 3P PLUG, CONNECTOR 9P CONNECTOR, BOARD TO BOARD 10P PIN, CONNECTOR 3P	
C827 1-137-132-91	CERAMIC 680PF FILM 0.056MF	5% 10% 3% 5% 10%	63V 2KV 400V 63V 400V	CN0526 CN0529 CN5521	0*1-568-881-51 0*1-508-784-00 0*1-568-878-51	PIN, CONNECTOR (PC BOARD) 6P PIN, CONNECTOR 6P PIN, CONNECTOR (5MM PITCH) 1P PIN, CONNECTOR 3P CONNECTOR PIN (DY) 6P	
C830 1-136-105-00 C831 1-123-932-00	FILM 0.33MF BLECT 4.7MF	5% 20%	200 V 160 V	 	<010	DE>	
C832 1-124-910-11 C833 1-137-516-11 C834 1-137-114-11	ELECT 47MF FILM 1.2MF FILM 0.68MF	20% 5% 5%	50V 200V 200V	D602 D606 D608 D611	8-719-300-33 8-719-300-33 8-719-300-33 8-719-029-04	DIODE RU-3AM DIODE RU-3AM	
C835 1-124-480-11 C836 1-102-228-00 C837 1-137-038-91 C838 1-108-704-11 C839 1-123-950-00		20% 10% 10% 10% 20%	25V 500V 400V 200V 250V	D612 D613 D614 D616 D619	8-719-510-09 8-719-920-68 8-719-920-68 8-719-110-31	DIODE DIOSC6M DIODE ESAB92-02 DIODE ESAB92-02 DIODE RDI2ES-B2 DIODE MA152WK	
C840	ELECT 33MF	20% 10% 10% 5%	25V 500V 400V 160V 63V	D620 D624 D801 D802 D804	8-719-911-19 8-719-312-40 8-719-018-82 8-719-300-33	DIODE 188119	
C853 1-124-910-11 C854 A. 1-162-115-91	CERAMIC 330PR ELECT 0.47MF	10% 20% 10% 20% 5%	25V 50V 2KV 50V 63V	 D808		DIODE RD5.6ES-B1 DIODE RD7.5ES-B2 DIODE UO5G DIODE UO5G DIODE RU30ALFS1	
C863 1-137-094-11 C866 1-137-120-91 C869 1-137-132-91 C870 1-137-120-91 C871 1-130-651-00	FILM 0.001MF FILM 0.1MF FILM 0.001MF	10% 5% 5% 5% 2%	100V 63V 63V 63V 100V	D815 D816 D818 D821 D822	8-719-300-33 8-719-979-85 8-719-109-93 8-719-400-18 8-719-982-20		
C877 1-124-902-00	FILM 0.001MF CERAMIC 0.001MF	20% 5% 20% 10%	50V 63V 500V 50V 50V	D824 D825 D826 D827 D828	8-719-976-64 8-719-400-18 8-719-400-18 8-719-983-50	DIODE RGP02-17 DIODE MA152WK DIODE MA252WK DIODE MTZJ-T-72-2.2A DIODE ISS119	
C1502 1-124-903-11	CERAMIC CHIP 0.001MF BLECT 1MF CERAMIC CHIP 0.001MF BLECT 470MF BLECT 220MF	5% 20% 5% 20% 20%	50V 50V 50V 25V 50V	D830 D831 D832 D833 D1501	8-719-400-18	DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK DIODE MA152WK	
C1506 1-137-135-91 C1507 1-137-100-91 C1508 1-124-480-11 C1509 1-124-767-00 C1511 1-124-907-11	FILM 0.33MF FILM 0.15MF ELECT 470MF ELECT 2.2MF ELECT 10MF	5% 10% 20% 20% 20%	63V 100V 25V 50V	D1503 D1504	8-719-911-55 8-719-982-03	DIODE U05G DIODE MTZJ-3.6A	
C1512 1-124-006-11 C1513 1-163-113-00 C1514 1-164-004-11 C1515 1-164-004-11 C1516 1-102-228-00	ELECT 10MF CERAMIC CHIP 68PF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC 470PF	20% 5% 10% 10% 10%	25V 50V 25V 25V 500V	106032 10801	8-759-908-15	IC TDA4605-3 IC TL431CLP IC SFH617G-1 IC LM393P IC LM393P	et de l'action de la company d
<con< td=""><td>INECTOR></td><td></td><td></td><td></td><td>8-759-081-31 8-759-506-46</td><td>IC MC78L12ACPRP</td><td></td></con<>	INECTOR>				8-759-081-31 8-759-506-46	IC MC78L12ACPRP	
CNO009*1-568-878-51 CNO010*1-568-877-51 CNO504*1-568-882-51 CNO505*1-568-880-51 CNO506*1-568-880-61	PIN, CONNECTOR 2P PIN, CONNECTOR 7P PIN, CONNECTOR 5P			L602	<001		
CN0519*1-568-878-51					2 -12 3/4 11	2000	

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REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
L604 1-410-396-41 L605 1-459-442-00 L606 1-459-442-00 L609 1-410-396-41 L622 1-412-533-21	FERRITE BEAD INDUCTOR COIL (WITH CORE) COIL (WITH CORE) FERRITE BEAD INDUCTOR INDUCTOR 47UH INDUCTOR 2.2MMH COIL, AIR CORE COIL (WITH CORE) COIL, CHOKE 1000UH COIL, DRAM CORE (CDI) COIL, FERRITE (PMC) INDUCTOR 3.3UH INDUCTOR 3.3UH INDUCTOR 3.3UH TRANSFORMER, LINEARITY (HLT) INDUCTOR 10UH INDUCTOR 10UH INDUCTOR 10UH		JR510 JR511 JW208 R601 R602	1-216-296-00 1-216-296-00 1-217-587-00 1-216-353-00 1-216-065-00	METAL GLAZE METAL GLAZE RES, SHORT METAL OXIDE METAL GLAZE	0 5 0 5 0.01 2.2 5 4.7K 5	1/4W	F J
L623 1-412-533-21 L802 1-408-947-00 L803 1-420-872-00 L807 1-459-483-00 L808 1-421-541-00	INDUCTOR 47UH INDUCTOR 2.2MMH COIL, AIR CORE COIL (WITH CORE) COIL, CHOKE 1000UH		R603 R604 R605 R606 R607	1-215-901-00 1-247-885-00 1-216-313-00 1-216-033-00 1-216-061-00	METAL OXIDE CARBON METAL GLAZE METAL GLAZE METAL GLAZE	33K 5 180K 5 8.2 5 220 5 3.3K 5	% 2W % 1/4W % 1/10V % 1/10V % 1/10V	rj
L809 1-459-111-00 L810 1-460-197-11 L811 1-412-519-11 L812 1-412-519-11 L813 1-412-519-11	COIL, DRAW CORE (CDI) COIL, FERRITE (PMC) INDUCTOR 3.3UH INDUCTOR 33UH INDUCTOR 3.3UH		R608 R609 R610 R611 R612	1-215-928-11 1-216-005-00 1-247-885-00 1-249-405-11 1-247-894-11	METAL OXIDE METAL GLAZE CARBON CARBON CARBON	68K 5 15 5 180K 5 100 5 430K 5	% 3W % 1/10V % 1/4W % 1/4W % 1/4W	F V
L817 1-423-374-11 L1501 1-412-525-21 L1502 1-412-525-21 L1503 1-412-525-21	INDUCTOR 10UH INDUCTOR 10UH INDUCTOR 10UH INDUCTOR 10UH		R613 R614 R615 R617 R618	1-216-260-00 1-216-487-11 1-216-487-11 1-216-033-00 1-216-449-11	METAL GLAZE METAL OXIDE METAL OXIDE METAL GLAZE METAL OXIDE	390K 5 12K 5 12K 5 220 5 56 5	% 1/8W % 3W % 3W % 1/10V % 2W	7 7 4
PS601A, 1-532-686-91 PS602A, 1-532-686-91 PS603A, 1-532-686-91 PS604A, 1-532-686-91	LINK, IC 2.7A LINK, IC 2.7A LINK, IC 2.7A LINK, IC 2.7A		R620 R621 R622 R623 R625	1-216-045-00 1-216-659-11 1-216-041-00 1-216-073-00 1-216-449-11	METAL CHIP METAL GLAZE METAL GLAZE	680 5 2.2K 0 470 5 10K 5 56 5	.50% 1/100	r) r) ri
<pre></pre>	TRANSISTOR BUZ91A-E3155 TRANSISTOR 2SB772-Q TRANSISTOR 2SB772-Q TRANSISTOR DTC114EK TRANSISTOR 2SA1162-G TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC4927-01 TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SC2688-LK		R626 R627 R628 R629 R630	1-216-635-11 1-249-398-11 1-215-464-00 1-215-464-00 1-216-045-00	CARBON	220 0 27 5 62K 1 62K 1 680 5	% 1/4W	F
4801 8-729-216-22 4801 8-729-119-78 4801 8-729-016-32 4802 8-729-140-97 4804 8-729-216-22	TRANSISTOR 2SAI162-G TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC4927-01 TRANSISTOR 2SB734-34 TRANSISTOR 2SA1162-G		R631 R633 R634 R635 R636	1-216-397-11 1-249-415-11 1-215-477-00 1-216-073-00 1-216-452-11	METAL OXIDE CARBON METAL METAL GLAZE METAL OXIDE	4.7 5 680 5 220K 1 10K 5 180 5	% 1/4W % 1/4W % 1/10\	7 W
0805 8-729-216-22 0806 8-729-011-00 0807 8-729-119-80 0812 8-729-120-28 0813 8-729-140-96	TRANSISTOR 2SA1162-G TRANSISTOR 2SK1916-53F87 TRANSISTOR 2SC2688-LK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC774-34		R637 R638 R639 R640 R651	1-216-113-00 1-216-073-00 1-216-089-00 1-207-905-00 1-216-069-00	METAL GLAZE	470K 5 10K 5 47K 5 0.27 1 6.8K 5	% 1/10 % % 1/10 % % 1/10 % 0% 2 W % 1/10 %	N N F
Q818 8-729-216-22 Q1501 8-729-120-28 Q1502 8-729-901-01 Q1503 8-729-216-22 Q1504 8-729-901-01	TRANSISTOR 2SA1162-G		R801 R804 R805 R806 R807	1-216-069-00 1-217-778-11 1-216-679-11 1-216-061-00 1-216-037-00		6.8K 5 1K 5 15K 0 3.3K 5 330 5	% 1W .50%1/10¶	F W
	SISTOR>	ı	R808 R809 R811 R812 R813	1-216-085-00 1-216-097-00 1-216-033-00 1-216-061-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	33K 5 100K 5 220 5 3.3K 5 4.7K 5	% 1/10 % 1/10 % 1/10 % 1/10 % 1/10	M M
JR002 1-216-295-00 JR003 1-216-295-00 JR004 1-216-295-00 JR005 1-216-295-00	METAL GLAZE 0 5% 1/10W METAL GLAZE 0 5% 1/10W METAL GLAZE 0 5% 1/10W METAL GLAZE 0 5% 1/10W	 - 	R814 R815 R819 R820	1-216-091-00 1-216-081-00 1-247-755-11 1-216-097-00	METAL GLAZE METAL GLAZE CARBON METAL GLAZE	56K 5 22K 5 1.8K 5 100K 5	% 1/10 ©	ii D F
JR501 1-216-296-00 JR502 1-216-296-00 JR503 1-216-296-00 JR504 1-216-296-00	METAL GLAZE 0 5% 1/8W METAL GLAZE 0 5% 1/8W METAL GLAZE 0 5% 1/8W METAL GLAZE 0 5% 1/8W		R821 R822 R823 R824 R825	1-216-481-11 1-216-481-11 1-216-065-00 1-216-673-11 1-216-342-11	METAL OXIDE METAL OXIDE METAL GLAZE METAL CHIP METAL OXIDE	1.2K 5 4.7K 5 8.2K 0 0.27 5	% 3W % 1/10 .50%1/10	9 9 10 11
JR505 1-216-296-00 JR506 1-216-296-00 JR507 1-216-296-00 JR508 1-216-296-00 JR509 1-216-296-00	METAL GLAZE 0 5% 1/8W METAL GLAZE 0 5% 1/8W METAL GLAZE 0 5% 1/8W		R826 R828 R829 R830	1-216-166-00 1-216-121-00 1-249-429-11 1-216-687-11	METAL GLAZE METAL GLAZE CARBON METAL CHIP	1M 55 10K 55	% 1/10 €	F



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REF.NO	D. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R832 R833	1-216-089-00 1-216-105-00	METAL GLAZE METAL GLAZE	47K 220K 470K 2.2K 68K	5% 5%	1/10W 1/10W		T804	1-424-584-11	TRANSFORMER, D	YNAMIC FOCU	IS	
R834 R835	1-216-113-00 1-216-057-00	METAL GLAZE METAL GLAZE	470K	5%	1/10W 1/10W		*****	*********	**********	********	*****	******
R836 R837	1-216-242-00	METAL GLAZE METAL CHIP	68K		1/8W 1/8W			*A-1347-069-A	V BOARD, COMPLI			
R838 R839	1-216-101-00 1-216-061-00	METAL GLAZE METAL GLAZE	150K 3.3K	5% 5%	1/10W 1/10W 1/10W			<cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<>	ACITOR>			
R840 R841	1-216-264-00 1-249-397-11	METAL GLAZE	560K 22	5% 5%	1/8W 1/4W	F	C01	1-126-233-11	ELECT 2:	2MF	20%	50 V
R842	1-216-454-11	METAL OXIDE	390	5% 0.50%	2W	F	C02 C03	1-163-038-00	CERAMIC CHIP O	.1MF	00#	25V 25V
R846 R847	1-216-671-11 1-216-097-00	METAL GLAZE	6.8K	0.50% 5%	1/10W	r.	C04 C05	1-126-233-11 1-163-037-11	ELECT 22 CERAMIC CHIP 0	2MF .022MF	20 % 10 %	50V 25V
R848 R849	1-215-885-00 1-215-881-11	METAL OXIDE	68 15	5% 5% 5%	2W 2W	F F	C06 C07	1-124-120-11 1-124-903-11		20MF MF	20% 20%	16V 50V
R851 R852	1-247-743-11 1-249-389-11	CARBON CARRON	220 4 7	5% 5%	1/2W 1/4W	F F	C08 C09		CERAMIC CHIP 19 CERAMIC CHIP 0	5PF .001 M F	5% 5%	50V 50V
R853 R854	1-249-443-11	CARBON CARBON	220 4.7 0.47 0.47	5% 5%	1/4W	F F	ČÍÓ	1-163-133-00	CERAMIC CHIP 4	70PF	5%	50V
R858	1-249-423-11	CARBON	3.3K	5%	1/4W		C11 C12	1-163-037-11 1-163-127-00	CERAMIC CHIP OF CERAMIC CHIP 27	70PF	10% 5%	25V 50V
R859 R864	1-215-887-00 1-216-687-11	METAL CHIP	150 33K	5% 0.50%	1/10W	F	C12 C13 C14 C15	1-163-117-00 1-163-097-00	CERAMIC CHIP 16 CERAMIC CHIP 15 CERAMIC CHIP 2	00PF 5PF	5% 5%	50V 50V
R865 R866	1-216-687-11	METAL CHIP	1M 33K	0.50%	1/4W 1/10W		1				5%	50V
R867 R868	1-216-113-00	METAL GLAZE	470K	5% 5%	1/10W 1/4W		C16	1-164-232-11 1-163-809-11	CERAMIC CHIP O	.047MF	10% 10%	50V 25V 50V
R871 R872	1-249-493-11	CARBON CARBON CARBON	8.2K 56K 10	5%	1/4W 1/2W 1/4W	ជ	C18 C19 C20	1-163-089-00 1-163-125-00	CERAMIC CHIP 10 CERAMIC CHIP 61 CERAMIC CHIP 22	DE DE DE	5% 0.25PF 5%	50V 50V
R873 R876	1-249-393-11 1-249-421-11	CARBON CARBON	ΪÓ	5% 5% 5%	1/4W 1/4W		C21	1-163-833-00	CERAMIC CHIP O	068MF	J/a	25V
R877	1-215-907-11		22	5 %	3W	F	C22 C23	1-163-117-00 1-163-210-00	CERAMIC CHIP 10 CERAMIC CHIP 0	NNPF	5% 5%	50V 50V
R884 R889	1-216-697-11 1-216-089-00	METAL CHIP METAL GLAZE	82K 47K	0.50%	1/10W 1/10W		C24 C25	1-164-505-11 1-164-505-11	CERAMIC CHIP 2.	.2MF		16V 16V
R891 R893	1-216-089-00 1-215-878-00	METAL GLAZE METAL OXIDE	47K 33K	5% 5% 5%	1/10W 1W	F	C26	1-163-809-11	CERAMIC CHIP O	.047MF	10%	25V
R894	1-216-264-00	METAL GLAZE	560K	5%	1/8W		C28 C30	1-137-033-11		.33MF	5% 10%	50V 100V
R895 R897 R898		METAL GLAZE METAL GLAZE METAL GLAZE	18K 47K 470K	5% 5%	1/10W 1/10W 1/8W		C32 C33	1-163-038-00 1-124-910-11	CERAMIC CHIP O. ELECT 47	. 1 m r 7 M F	20%	25 V 50 V
R1501	1-216-674-11	METAL CHIP	9.1K	0.50%	1/10W		C34 C35	1-124-907-11	ELECT 10 CERAMIC CHIP 47	OMF 7PF	20 % 5 %	50V 50V
R1502 R1503		METAL CHIP METAL GLAZE	3.3K 4.7K	0.50% 5%	1/10W 1/10W		C36	1-163-239-11 1-216-295-00	CERAMIC CHIP 33	3PF 0 5%	5% 1/10₩	50v
R1504 R1505	1-216-081-00	METAL GLAZE METAL GLAZE	4.7K 22K 22K	5%	1/10W 1/10W		C39	1-163-135-00	CERAMIC CHIP 56	60PF	5%	50 V
R1506	5 1-216-057-00	METAL GLAZE	2.2K	5%	1/10W		C40 C53	1-163-038-00	CERAMIC CHIP 33 CERAMIC CHIP 0.	.1MF	5 %	50V 25V
R1508 R1509	1-216-085-00	METAL GLAZE	22K 33K	0.50% 5%	1/10W 1/10W	В	C54	1-163-038-00	CERAMIC CHIP 0.	.1MF		25V
R1510 R1511 R1512	1-215-888-00	CARBON METAL OXIDE	1.2 220 1.2	5% 5% 5% 5%	1/4W 2W 2W	r F		<con< td=""><td>NECTOR></td><td></td><td></td><td></td></con<>	NECTOR>			
R1514		METAL GLAZE	1.2 1K	5%	1/10W	г			PLUG, CONNECTOR			
R1550 R1551	1-216-105-00	METAL GLAZE METAL GLAZE	220K 4.7K	5% 5%	1/10W 1/10W		011141	+1 304 311 11	TEGG, COMMECTOR	ı. Gi		
R1552		METAL GLAZE	220K	5%	1/10W			<tri< td=""><td>MMER></td><td></td><td></td><td></td></tri<>	MMER>			
	<var< td=""><td>TABLE RESISTOR</td><td>l></td><td></td><td></td><td></td><td>CT01</td><td>1-141-418-11</td><td>CAP, ADJ</td><td></td><td></td><td></td></var<>	TABLE RESISTOR	l>				CT01	1-141-418-11	CAP, ADJ			
RV601	1-241-628-11	RES, ADJ, CAR	BON 2.	2K				<d10< td=""><td>DE></td><td></td><td></td><td></td></d10<>	DE>			
	ረጥ በ	NSFORMER>					D01 D03	8-719-400-18 8-719-104-34	DIODE MA152WK DIODE 1S2836			
T601	∆. 1-697-001-11	S.R.T (SMT89)	galler.	garana.		h gayaya	D04 D09	8-719-104-34 8-719-400-18	DIODE 152836 DIODE MA152WK			
T801 T803	A. 1-439-524-11 1-437-090-00	TRANSFORMER A	ISSY, F	LYBACK	(NX-30	000 A2)	DÍÓ	8-719-400-18	DIODE MA152WK			



REF.NO. PART NO. DESCI	RIPTION	REMARK !	ያዩቱ ለሀ	PART NO	DESCRIPTION		REM	ARK
RET.NO. PART NO. DESCRI								
D11 8-719-400-18 D10DE D12 8-719-400-18 D10DE <1C>	MA152WK MA152WK		R34 R35 R36 R37	1-216-057-00	METAL GLAZE METAL GLAZE	22K 5%	1/10W 1/10W 1/10W 1/10W	
ICO1 8-759-073-28 IC SDA ICO2 8-759-037-64 IC SDA ICO3 8-759-146-48 IC UPA	D424256C-80 D1050A-15P		R38 R39 R40 R41 R42	1-218-773-11 1-216-103-00 1-216-043-00 1-216-033-00 1-216-033-00	METAL CHIP METAL GLAZE METAL GLAZE	750K 0.50% 180K 0.50% 560 5% 220 5% 220 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
<coil></coil>	TOR 15UH		R43 R44 R46 R47 R48	1-216-073-00 1-216-057-00	METAL GLAZE	220 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
L02	TOR 47UH TOR 22UH		R49 R50 R54 R55		METAL GLAZE METAL GLAZE	8.2K 5%	1/10W 1/10W 1/10W 1/10W	
<transisto< td=""><td>R></td><td></td><td></td><td><cry:< td=""><td>STAL></td><td></td><td></td><td></td></cry:<></td></transisto<>	R>			<cry:< td=""><td>STAL></td><td></td><td></td><td></td></cry:<>	STAL>			
Q03 8-729-120-28 TRANS Q04 8-729-120-28 TRANS	ISTOR 2SC1623-L5L6 ISTOR 2SC1623-L5L6 ISTOR 2SC1623-L5L6				OSCILLATOR, CR			
	ISTOR 2SC1623-L5L6 ISTOR 2SC1623-L5L6			*********** *1-643-004-11	************** #1 BOADD	********	********	***
Q09 8-729-120-28 TRANS	ISTOR 2SA1162-G ISTOR 2SC1623-L5L6 ISTOR 2SC1623-L5L6		•	+1-045-004-11	******			
Q11 8-729-120-28 TRANS	ISTOR 2SC1623-L5L6 ISTOR DTC124EK		7007		ACITOR>		004 0511	
<resistor></resistor>			C083 C087		CERAMIC CHIP O		0% 25V 0% 25V	
JR02 1-216-295-00 METAL	GLAZE 0 5% 1/1			<con< td=""><td>NECTOR></td><td></td><td></td><td></td></con<>	NECTOR>			
RO2 1-216-025-00 METAL RO3 1-216-055-00 METAL	GLAZE 100 5% 1/1 GLAZE 100 5% 1/1 GLAZE 1.8K 5% 1/1 GLAZE 1.8K 5% 1/1	0W	CN1008	*1-564-516-11	PLUG, CONNECTO	OR 13P		
RO5 1-216-041-00 METAL	. GLAZE 470 5% 1/1	ow		<jac< td=""><td></td><td></td><td></td><td></td></jac<>				
R07 1-216-041-00 METAL	GLAZE 150 5% 1/1 GLAZE 470 5% 1/1 GLAZE 8.2K 5% 1/1 GLAZE 56K 5% 1/1	OW OW	J81 J82	1-568-678-11 1-562-837-11	TERMINAL BLOCK JACK	(, S 3P		
R10 1-216-057-00 METAL	. GLAZE 2.2K 5% 1/1	İ		<01	L>			
R11 1-216-057-00 METAL R12 1-216-057-00 METAL R13 1-216-065-00 METAL	GLAZE 2.2K 5% 1/1 GLAZE 2.2K 5% 1/1 GLAZE 2.2K 5% 1/1 GLAZE 4.7K 5% 1/1 GLAZE 3.3K 5% 1/1	.0W .0W	L081 L082	1-408-409-00 1-408-409-00	INDUCTOR INDUCTOR	10UH 10UH		
R16 1-216-033-00 WETAL	. GLAZE 220 5% 1/1	.OW			ISTOR>			
R20 1-216-049-00 METAL R21 1-216-049-00 METAL	GLAZE 220 5% 1/1 GLAZE 1K 5% 1/1 GLAZE 1K 5% 1/1 GLAZE 1K 5% 1/1 GLAZE 2.2K 5% 1/1	0W	JR020 JR021 R081 R082	1-216-295-00 1-216-073-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 10K 5% 4.7K 5%	1/!0 W 1/!0 W 1/!0 W 1/!0 W	
R23 1-216-065-00 METAL R24 1-216-091-00 METAL	GLAZE 4.7K 5% 1/1 GLAZE 56K 5% 1/1		R083 R084	1-216-057-00 1-249-419-11			1/10¶ 1/W	
R25 1-216-065-00 METAL R26 1-216-089-00 METAL	J GLAZE 4.7K 5% 1/1 J GLAZE 56K 5% 1/1 J GLAZE 4.7K 5% 1/1 J GLAZE 4.7K 5% 1/1 J GLAZE 560 5% 1/1	LOW	RO85	1-249-419-11	CARBON	1.5K 5% 1.5K 5%	1/W	
R28 1-216-043-00 METAL		lOW	goa.	<swi< td=""><td></td><td></td><td></td><td></td></swi<>				
R30 1-216-037-00 METAL R31 1-216-061-00 METAL	GLAZE 560 5% 1/1 GLAZE 560 5% 1/1 GLAZE 330 5% 1/1 GLAZE 33.3K 5% 1/1 GLAZE 10K 5% 1/1	10M 10M	S081 S082 S083	1-571-532-21 1-571-532-21 1-571-532-21	SWITCH, TACTIL SWITCH, TACTIL SWITCH, TACTIL	,		
R33 1-216-017-00 METAL		Ì	*****	*******	**********	********	*******	****

H2 J

_		PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
		*1-642-997-11	H2 BOARD				C930 C931	1-124-477-11 1-164-346-11	ELECT 4	47MF 20 LMF)% 16V 16V
		*4-201-076-01 *4-374-987-01 *4-381-686-01	GUIDE, LIGHT		IDE		C932 C933 C934 C935	1-164-346-11 1-124-477-11 1-124-477-11 1-124-477-11	ELECT 4 ELECT 4 ELECT 4	17MF 20 47MF 20	16V 16V
			NECTOR>				C936	1-164-346-11 1-164-346-11	CERAMIC CHIP 1		16V 16V
	CN1132	l*1-568-882-51	PIN, CONNECT	OR 7P			C938	1-124-477-11	ELECT 4	17MF 20	% 16V
		<010					 		INECTOR>		
	D092 D093 D094		DIODE LD-201 DIODE LD-201 DIODE LD-201	٧ĸ			CN1210 CN1233	*1-564-522-11 *1-564-518-11	CONNECTOR, BOA PLUG, CONNECTO PLUG, CONNECTO PLUG, CONNECTO	DR 7P DR 3P	OP
		<1C>						<d10< td=""><td>IDE></td><td></td><td></td></d10<>	IDE>		
	1 CO 9 1	8-741-101-75	IC SBX1610-1	1			D901 D902		DIODE MTZJ-9.1 DIODE MTZJ-9.1		
	D001		ISTOR>				D903 D904	8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1		
	R091	1-249-413-11 *******		470 5% *******		******	D905	8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1		
		*A-1388-145-A		PLETE			D907 D908 D909 D910	8-719-921-69 8-719-921-69 8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1		
			ACITOR>				D911 D912	8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1		
	C281 C291 C292 C295 C296		ELECT CERAMIC CERAMIC CERAMIC CHIP CERAMIC CHIP	0.001MF	20% 10% 10%	6.3V 50V 50V 50V 50V	D913 D914 D915	8-719-921-69 8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1		
	C901	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	D916 D917 D918	8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1		
	C902 C904 C905	1-163-017-00 1-163-133-00 1-163-133-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	470PF	10% 5% 5%	50V 50V 50V	D919 D920	8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1		
	C906 C907	1-101-004-00	CERAMIC CHIP	0.01MF		50V 50V	D921 D922 D923		DIODE MTZJ-9.1		
	C908 C909	1-163-133-00 1-101-004-00	CERAMIC CHIP CERAMIC	0.01MF	5% 5%	50V 50V	D924 D925	8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1		
	C910 C911	1-163-017-00 1-163-017-00	CERAMIC CHIP CERAMIC CHIP		10% 10%	50V 50V	D926 D927	8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1		
	C912 C913	1-163-133-00 1-163-133-00 1-163-121-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	470PF	5% 5% 5%	50V 50V 50V	D928		DIODE MTZJ-9.1		
	C914 C915 C916	1-163-121-00 1-163-017-00	CERAMIC CHIP CERAMIC CHIP	150PF	5% 10%	50V 50V	 	<jac< td=""><td>K></td><td></td><td></td></jac<>	K>		
	C917 C918	1-163-017-00 1-163-133-00	CERAMIC CHIP CERAMIC CHIP		10% 5%	50 V 50 V	J291 J901 J903	1-536-996-21 1-695-296-11 1-561-534-41	TERMINAL BOARD TERMINAL BLOCK SOCKET 21P		•
	C919 C920 C921	1-163-133-00 1-163-017-00	CERAMIC CHIP CERAMIC CHIP	470PF 0.0047MF	5% 5% 10%	50V 50V	J904 J905	1-695-296-11 1-695-293-11	TERMINAL BLOCK SOCKET 21P	, S	
	C922 C923	1-163-017-00 1-124-477-11	CERAMIC CHIP	47MF	10% 20%	50V 16V	J906 J907	1-695-296-11 1-695-293-11	TERMINAL BLOCK SOCKET 21P	, S	
	C924 C925	1-164-346-11 1-124-477-11 1-124-477-11	CERAMIC CHIP ELECT ELECT	1 MF 47 MF 47 MF	20% 20%	16V 16V 16V		<001			
	C926	1-164-346-11	CERAMIC CHIP	1MF		16 V	L291	1-402-711-11	INDUCTOR, WIDE		
	C927 C928 C929	1-124-477-11 1-124-477-11 1-124-477-11	ELECT ELECT ELECT	47MF 47MF 47MF	20% 20% 20%	16V 16V 16V	L292	1-402-711-11	INDUCTOR, WIDE	BAND	

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REF.NO. PART NO.				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
Q282 8-729-12	<transistor> D-28 TRANSISTOR 2 D-28 TRANSISTOR 2 D-22 TRANSISTOR 2</transistor>	SC1623-L5L6			R923 R924 R925 R926	1-216-039-00 1-216-039-00 1-216-089-00 1-216-039-00	METAL GLAZE METAL GLAZE METAL GLAZE	390 5% 390 5% 47K 5% 390 5%	1/10W 1/10W 1/10W 1/10W	
	<resistor></resistor>				R927 R928 R929 R930	1-216-039-00 1-216-089-00 1-216-067-00 1-216-113-00	METAL GLAZE Metal Glaze	390 5% 47K 5% 5.6K 5% 470K 5%	1/10W 1/10W 1/10W 1/10W	
JR201 1-216-29 JR901 1-216-29 JR905 1-216-29 JR906 1-216-29 JR909 1-216-29	5-00 METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/10W 1/8W 1/10W 1/8W		R931 R932 R933 R934	1-216-216-00 1-216-113-00 1-216-073-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 5% 470K 5% 10K 5% 5.6K 5%	1/8W 1/10W 1/10W 1/10W	
JR910 1-216-29 JR911 1-216-29 JR915 1-216-29 JR917 1-216-29 JR918 1-216-29	6-00 METAL GLAZE 5-00 METAL GLAZE 6-00 METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/10W 1/8W 1/10W		R935 R936 R937 R938 R939	1-216-022-00 1-216-022-00 1-216-113-00 1-216-039-00 1-216-188-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	75 5% 75 5% 470K 5% 390 5% 390 5%	1/10W 1/10W 1/10W 1/10W 1/8W	
JR919 1-216-29 JR920 1-216-29 JR921 1-216-29 JR923 1-216-29	6-00 METAL GLAZE 5-00 METAL GLAZE 5-00 METAL GLAZE 6-00 METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/8W 1/10W 1/10W 1/8W		R940 R941 R942 R943	1-216-067-00 1-216-113-00 1-216-188-00 1-216-089-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 5% 470K 5%	1/10W 1/10W 1/10W	
JR924 1-216-29 JR926 1-216-29 JR927 1-216-29	6-00 METAL GLAZE 6-00 METAL GLAZE 6-00 METAL GLAZE	0 5% 0 5%	1/8W 1/8W 1/8W		R944 R945 R946	1-216-188-00 1-216-089-00 1-216-022-00	METAL GLAZE METAL GLAZE METAL GLAZE	390 5% 47K 5% 75 5%	1/8W 1/10W 1/10W	
JR928 1-216-29 JR935 1-216-29 JR939 1-216-29	6-00 METAL GLAZE 5-00 METAL GLAZE	0 5%	1/8W 1/8W 1/10W		R947 R948 R949 R950	1-216-022-00 1-216-073-00 1-216-113-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE	75 5% 10K 5% 470K 5% 5.6K 5%	1/10W 1/10W 1/10W 1/10W	
JR940 1-216-29 JR942 1-216-29 JR944 1-216-29 JR946 1-216-29 JR947 1-216-29	6-00 METAL GLAZE 5-00 METAL GLAZE 6-00 METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/8W 1/10W 1/8W 1/10W		R951 R952 R953 R954 R955	1-216-067-00 1-216-113-00 1-216-188-00 1-216-039-00	METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 5% 470K 5% 390 5% 390 5%	1/10W 1/10W 1/8W 1/10W	
JR952 1-216-29 JR954 1-216-29 JR955 1-216-29 R283 1-216-07 R284 1-216-07	5-00 METAL GLAZE 6-00 METAL GLAZE 3-00 METAL GLAZE	0 5% 0 5% 0 5% 10K 5% 10K 5%	1/8W 1/10W 1/8W 1/10W 1/10W		R956 R957 R958 R959	1-216-039-00 1-216-089-00 1-216-039-00 1-216-089-00 1-216-071-00	METAL GLAZE METAL GLAZE	390 5% 47K 5% 390 5% 47K 5% 8.2K 5% 8.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R286 1-216-09 R287 1-216-21 R288 1-216-21 R289 1-216-05 R291 1-249-41	6-00 METAL GLAZE 6-00 METAL GLAZE 5-00 METAL GLAZE	100K 5% 5.6K 5% 5.6K 5% 1.8K 5% 470 5%	1/10W 1/8W 1/8W 1/10W 1/4W]		METAL GLAZE METAL GLAZE ***********************************	8.2K 5%	1/10 W 1/10 W	******
	3-11 CARBON 9-00 METAL GLAZE 9-00 METAL GLAZE 3-00 METAL GLAZE	470 5% 390 5% 390 5% 470K 5% 470K 5%	1/4W 1/10W 1/10W 1/10W 1/10W		C1401		PACITOR> CERAMIC CHIP	****		25 V
R905 1-216-18 R906 1-216-03 R907 1-216-17 R908 1-216-17	8-00 METAL GLAZE 9-00 METAL GLAZE 1-00 METAL GLAZE 1-00 METAL GLAZE	390 5% 390 5% 75 5% 75 5%	1/8W 1/10W 1/8W 1/8W		C1402 C1403 C1404 C1405	1-163-038-00 1-163-017-00 1-163-037-11 1-163-097-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.0047MF 0.022MF 15PF	10% 10% 5%	25V 50V 25V 50V
R910 1-216-11 R911 1-216-02 R913 1-216-06 R914 1-216-06	3-00 METAL GLAZE 2-00 METAL GLAZE 7-00 METAL GLAZE 7-00 METAL GLAZE	470K 5% 75 5% 5.6K 5% 5.6K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C1406 C1407 C1408 C1409 C1410	1-163-097-00 1-163-038-00 1-163-017-00 1-124-903-11 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.1MF 0.0047MF 1MF 0.1MF	10% 20%	50V 25V 50V 50V 25V
R915 1-216-11 R916 1-216-11 R917 1-216-02 R919 1-216-06 R920 1-216-06	3-00 METAL GLAZE 2-00 METAL GLAZE 7-00 METAL GLAZE	470K 5% 470K 5% 75 5% 5.6K 5% 5.6K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C1411 C1412 C1414 C1416 C1417	1-163-038-00 1-163-038-00 1-163-121-00 1-163-129-00 1-163-129-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 150PF 330PF	5% 5%	25V 25V 50V 50V 50V
R921 1-216-02 R922 1-216-22	2-00 METAL GLAZE	5.6K 5% 75 5% 10K 5%	1/10W 1/8W		C1419 C1420 C1421	1-164-005-11 1-163-038-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF		25V 25V 25V



REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION	I -	REMARK
C1422 1-163-038-00 C1423 1-163-038-00 C1424 1-163-009-11 C1425 1-163-009-11 C1426 1-164-232-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.01MF	10% 10% 10%	25V 25V 50V 50V 50V	FL1408	1-236-071-11 <1C>	ENCAPSULATEI		
C1427 1-126-233-11 C1428 1-163-038-00 C1430 1-163-038-00 C1431 1-163-031-11 C1432 1-163-031-11	BLECT 22MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF	20%	50V 25V 25V 50V 50V	IC1404 IC1405	8-759-073-16 8-759-510-48 8-759-055-51 8-759-055-52 8-759-046-27	IC SDA9089X6 IC SDA9086-3	EEG ,	
C1433 1-163-031-11 C1434 1-163-038-00 C1435 1-163-038-00 C1436 1-163-038-00	CERAMIC CHIP 0.01MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF	109/	50V 25V 25V 25V 25V	IC1410	8-759-504-21 8-759-037-45 8-759-081-30	IC MC78L08AC	PRP	
C1438 1-163-005-11 C1441 1-164-005-11 C1442 1-164-005-11 C1443 1-163-251-11 C1444 1-164-005-11	CERAMIC CHIP 0.056MP CERAMIC CHIP 470PF CERAMIC CHIP 0.47MF CERAMIC CHIP 100PF CERAMIC CHIP 10.47MF	10% 5%	50V 25V 25V 50V 25V	L1401 L1405 L1406	1-408-418-00 1-408-407-00 1-408-407-00		56UH 6.8UH 6.8UH	
C1445 1-164-005-11 C1446 1-164-005-11	CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF		25V 25V	Q1401	8-729-120-28	NSISTOR> TRANSISTOR 2	SC1623-L5L6	
C1447 1~163~038~00 C1448 1~164~222~11 C1449 1~163~257~11	CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.22MF CERAMIC CHIP 180PF	5 %	25 V 25 V 50 V	Q1403 Q1404	8-729-120-28 8-729-120-28 8-729-216-22 8-729-120-28	TRANSISTOR 2	SC1623-L5L6 SA1162-G	
C1450 1-164-005-11 C1452 1-163-038-00 C1453 1-163-038-00 C1454 1-163-038-00 C1455 1-163-133-00	CERAMIC CHIP 0.47MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 470PF	5%	25V 25V 25V 25V 50V	Q1406 Q1407 Q1408 Q1409	8-729-120-28 8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC1623-L5L6 SA1162-G SA1162-G SA1162-G	
C1456 1-163-133-00 C1457 1-164-005-11 C1461 1-164-005-11 C1462 1-164-005-11 C1463 1-126-101-11	CERAMIC CHIP 470PF CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF CERAMIC CHIP 0.47MF ELECT 100MF	5% 20%	50V 25V 25V 25V 16V	Q1414 Q1415 Q1416 Q1417	8-729-216-22 8-729-900-53 8-729-120-28 8-729-120-28 8-729-900-53 8-729-900-53	TRANSISTOR D TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR D	TC114EK SC1623-L5L6 SC1623-L5L6 TC114EK	
C1464	BLECT 100MF BLECT 100MF BLECT 100MF BLECT 100MF CERAMIC CHIP 0.1MF	20% 20% 20% 20% 10%	16V 16V 16V 16V 25V	Q1419 Q1421 Q1422	8-729-900-53 8-729-120-28 8-729-120-28	TRANSISTOR D TRANSISTOR 2 TRANSISTOR 2	TC114EK SC1623-L5L6 SC1623-L5L6	
C1473 1-164-004-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.47MF	10% 10%	25V 25V 25V	IDIAOI	<res< td=""><td>ISTOR></td><td>0 64</td><td></td></res<>	ISTOR>	0 64	
C1482	CERAMIC CHIP 220PF	10% 20%	50V 50V	JR1402 JR1403 R1401	1-216-295-00 1-216-295-00 1-216-295-00 1-216-097-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 100K 5% 10K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
CN1514*1-568-879-51 CN1515*1-564-516-11 CN1516*1-568-879-51	PIN, CONNECTOR 4P PLUG. CONNECTOR 13P	RD 10P		R1404 R1405 R1406	1-216-025-00 1-216-025-00 1-216-049-00 1-216-051-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 5% 100 5% 1K 5% 1.2K 5% 2.2K 5%	1/1 0W 1/1 0W 1/1 0W 1/1 0W 1/1 0W
010>	DDE>			R1410	1-216-041-00 1-216-029-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 5% 150 5% 470 5% 470 5%	1/1 OW 1/1 OW 1/1 OW
D1401 8-719-105-91	DIODE RD5.6M-B2			R1412	1-216-041-00 1-216-041-00	METAL GLAZE METAL GLAZE	470 5% 470 5% 470 5%	1/1 0W 1/1 0W 1/1 0W
FL1403 1-236-071-11 FL1404 1-236-071-11	TER> ENCAPSULATED COMPONENT ENCAPSULATED COMPONENT ENCAPSULATED COMPONENT ENCAPSULATED COMPONENT			R1415 R1417 R1418	1-216-041-00 1-216-041-00 1-216-033-00 1-216-121-00 1-216-027-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 5% 470 5% 220 5% 1M 5% 120 5%	1/1 OW 1/1 OW 1/1 OW 1/1 OW 1/1 OW
FL1407 1-236-071-11	ENCAPSULATED COMPONENT				1-216-033-00 1-216-023-00	METAL GLAZE METAL GLAZE	220 5% 82 5%	1/1 OW 1/1 OW



REF.NO. PART NO.	DESCRIPTION				REMARK		PART NO.	DESCRIPTION			REMARK
R1424 1-216-041-00 R1425 1-216-041-00 R1426 1-216-041-00 R1427 1-216-041-00 R1429 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 470 470 56K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C011 C012 C014 C016 C018	1-163-117-00 1-163-117-00 1-163-117-00 1-163-141-00 1-164-505-11		100PF 100PF 0.001MF	5% 5% 5%	50V 50V 50V 50V 16V
R1431 1-216-029-00 R1432 1-216-031-00 R1433 1-216-113-00 R1434 1-216-023-00 R1435 1-216-075-00	METAL GLAZE METAL GLAZE METAL GLAZE	180 470K 82 12K	5%	1/10W 1/10W 1/10W 1/10W 1/10W		C019 C032 C035 C036 C037	1-126-233-11 1-163-117-00 1-163-037-11 1-164-005-11 1-163-117-00	ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.022MF 0.47MF	20% 5% 10%	50V 50V 25V 25V 50V
R1436 1-216-045-00 R1437 1-216-033-00 R1438 1-216-047-00 R1439 1-216-057-00 R1441 1-216-053-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 820 2.2K 1.5K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C501 C502 C503 C504 C505	1-163-020-00 1-164-232-11 1-137-123-91 1-137-025-91 1-124-925-11	CERAMIC CHIP CERAMIC CHIP FILM FILM	0.0082MF	10% 10% 5% 10%	50V 50V 63V 63V 50V
R1442	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.5K 470 27K 18K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C506 C507 C508 C509 C510	1-162-568-11 1-164-489-11 1-164-232-11 1-164-004-11 1-124-925-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	0.22MF 0.01MF	10% 10% 10% 10% 20%	16V 16V 50V 25V 50V
R1449 1-216-033-00 R1450 1-216-033-00 R1451 1-216-037-00 R1452 1-216-689-11 R1453 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 220 10K 39K 100	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C511 C512 C513 C514 C515	1-137-102-11 1-126-103-11 1-163-209-00 1-163-105-00 1-163-009-11		33PF	10% 20% 5% 5% 10%	250V 16V 50V 50V 50V
R1454 1-216-025-00 R1455 1-216-081-00 R1456 1-216-089-00 R1458 1-216-041-00 R1461 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 22K 47K 470 2.2K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C519 C522 C523 C531 C531 C532	1-164-161-11 1-163-141-00 1-163-141-00 1-164-493-11 1-164-489-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.001MF 0.001MF 0.047MF	10% 5% 5% 10% 10%	50V 50V 50V 50V 16V
R1462 1-216-057-00 R1471 1-216-037-00 R1481 1-216-097-00 R1482 1-216-081-00 R1483 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 330 100K 22K 100K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C538 C541 C542 C543 C544	1-164-489-11 1-164-232-11 1-163-037-11 1-164-161-11 1-164-161-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 0.022MF 0.0022MF	10% 10% 10% 10% 10%	16V 50V 25V 50V 50V
R1484 1-216-083-00 R1485 1-216-041-00 R1486 1-216-033-00 R1487 1-216-065-00 R1492 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	27K 470 220 4.7K 220	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C546 C547 C549 C550 C552	1-164-004-11 1-163-020-00 1-163-989-11 1-163-141-00 1-163-037-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.0082MF 0.033MF 0.001MF	10% 10% 10% 5% 10%	25V 50V 25V 50V 25V
R1493 1-216-081-00 R1494 1-216-174-00 R1495 1-216-059-00 R1496 1-216-065-00 R1497 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 100 2.7K 4.7K 470	5% 5%	1/10W 1/8W 1/10W 1/10W 1/10W		C559 C560 C562 C563 C564	1-164-004-11 1-164-161-11 1-216-295-00 1-163-031-11 1-163-031-11	CERAMIC CHIP METAL GLAZE	0.0022MF 0 5% 0.01MF	10% 10% 1/1⊧₩	25V 50V 50V 50V
R1499 1-216-049-00 <cr< td=""><td>LYSTAL></td><td>6.8K 1K</td><td>5% 5%</td><td>1/10W 1/10W</td><td></td><td>C565 C566 C567 C568 C569</td><td>1-163-031-11 1-163-031-11 1-163-009-11 1-163-009-11 1-164-161-11</td><td>CERAMIC CHIP</td><td>0.01MF 0.001MF 0.001MF</td><td>10% 10% 10%</td><td>50 V 50 V 50 V 50 V 50 V</td></cr<>	LYSTAL>	6.8K 1K	5% 5%	1/10W 1/10W		C565 C566 C567 C568 C569	1-163-031-11 1-163-031-11 1-163-009-11 1-163-009-11 1-164-161-11	CERAMIC CHIP	0.01MF 0.001MF 0.001MF	10% 10% 10%	50 V 50 V 50 V 50 V 50 V
X1402 1-567-504-11	OSCILLATOR, COSCILLATOR, COSCIL	CRYSTAL				C570	1-162-568-11	CERAMIC CHIP	0.33MF	10%	16 V
**************************************	*************** M BOARD, COMP		*****	******	******	1	<fil< td=""><td>TER></td><td></td><td></td><td></td></fil<>	TER>			
2033 001 1	******					CD001	1-577-364-11	VIBRATOR, CER	AMI C		
	PACITOR>			-0/	=0.17			NECTOR>			
C001 1-163-117-00 C003 1-163-117-00 C007 1-163-117-00 C008 1-163-117-00 C010 1-163-117-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	100PF 100PF 100PF	1	5% 5% 5%	50V 50V 50V 50V	CN1413 CN1426 CN1432	*1-568-880-61 1-695-301-11 *1-568-881-51 *1-568-882-51 *1-564-511-11	CONNECTOR, BC	JARD TO BOARI IR 6P IR 7P	40P	



Columb	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
1.0562 8-759-081-30 1		<d10< td=""><td>DE></td><td></td><td>R030 R032 R033 R034</td><td>1-216-049-00 1-216-049-00</td><td>METAL GLAZE METAL GLAZE</td><td>1 K</td><td>5% 5% 5%</td><td>1/10W 1/10W</td><td></td></d10<>	DE>		R030 R032 R033 R034	1-216-049-00 1-216-049-00	METAL GLAZE METAL GLAZE	1 K	5% 5% 5%	1/10W 1/10W	
1.0562 8-759-081-30 1 MC78L05ACPRP	D001 D501 D503 D504 D510	8-719-027-82 8-719-800-76 8-719-401-31 8-719-400-18 8-719-105-91	DIODE MA3039H-TX DIODE ISS226 DIODE MA3047L-TX DIODE MA152WK DIODE RD5.6M-B2		R035 R038 R049 R050 R051	1-216-073-00 1-216-049-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 10K 1K 10K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
1.0562 8-759-081-30 1		<1C>			R052 R053	1-216-065-00	METAL GLAZE	10K 4.7K	5% 5%	1/10W 1/10W	
1.0562 8-759-081-30 1 MC78L05ACPRP	I C001 I C003 I C501	8-759-072-93 *1-540-123-11 8-759-155-77 8-759-513-48	IC SDA30C162 SOCKET, IC 68P; IC001 IC M27C512-20B1-AE25 IC TDA2595/V9		R054 R055 R067	1-216-081-00 1-216-081-00 1-216-053-00	METAL GLAZE METAL GLAZE METAL GLAZE	22K 22K 1.5K		1/10W 1/10W 1/10W	
COULD -408-421-00 NDUCTOR 100UH 5504 -1216-677-00 METAL, GLAZE 1.5K 57 1/10W 1.501 -140-119-11 NDUCTOR 10MH 8507 -1216-077-00 METAL, GLAZE 1.5K 57 1/10W 1.561 1-408-409-00 NDUCTOR 10MH 8507 -1216-077-00 METAL, GLAZE 1.5K 57 1/10W 1.563 1-408-497-00 NDUCTOR 10MH 8507 1-216-079-00 METAL, GLAZE 1.5K 57 1/10W 1.563 1-408-947-00 NDUCTOR 2.2MH 8509 1-216-039-00 METAL, GLAZE 10K 57 1/10W 1.563 1-408-947-00 NDUCTOR 2.2MH 8509 1-216-039-00 METAL, GLAZE 10K 57 1/10W 1.563 1-408-947-00 NDUCTOR 2.2MH 8509 1-216-039-00 METAL, GLAZE 10K 57 1/10W 1.563 1-408-947-00 NETAL, GLAZE 10K 57 1/10W 1.563	I C562	8-759-998-98 8-759-081-30	IC LM358D IC MC78LO5ACPRP		R069 R070 R501	1-216-037-00 1-216-037-00 1-216-047-00	METAL GLAZE METAL GLAZE METAL GLAZE	330 330	5% 5% 5% 5%	1/10W 1/10W 1/10W	
No. No.		<001	L>		R503	1-216-067-00	METAL GLAZE	5.6K		1/10W	
No. No.	L501 L561	1-408-421-00 1-410-119-11 1-408-409-00	INDUCTOR 100UH INDUCTOR 1MMH INDUCTOR 10UH		R504 R505 R506 R507	1-216-075-00 1-216-049-00	METAL GLAZE METAL GLAZE	12K 1K	5% 5% 5% 5%	1/10W 1/10W	
No. No.		1-408-947-00 -408-947-00	INDUCTOR 2.2MMH NSISTOR>		R509 R510 R511 R512 R513	1-216-073-00 1-216-097-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 100K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
No.	Q003 Q501 Q502	8-729-216-22 8-729-120-28 8-729-901-01 8-729-120-28 8-729-901-01	TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR DTC144EK		R514 R515 R516 R517	1-216-061-00 1-216-049-00 1-216-039-00 1-216-039-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 1K 390 390		1/10W 1/10W 1/10W 1/10W	
R524 1-216-03-00 METAL GLAZE 100K 5% 1/10W R526 1-216-03-00 METAL GLAZE 1.5K 5% 1/10W R526 1-216-03-00 METAL GLAZE 1.5K 5% 1/10W R527 1-216-03-00 METAL GLAZE 1.5K 5% 1/10W R527 1-216-04-00 METAL GLAZE 1.5K 5% 1/10W R528 1-216-049-00 METAL GLAZE 1.5K 5% 1/10W R528 1-216-049-00 METAL GLAZE 1.5K 5% 1/10W R529 1-216-049-00 METAL GLAZE 1.5K 5% 1/10W R520 1-216-049-00 METAL GLAZE	Q509 Q564 Q565	8-729-901-01 8-729-120-28 8-729-216-22 8-729-120-28 8-729-120-28	TRANSISTOR DTC144EK TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6		R519 R520 R521 R522	1-216-033-00 1-216-093-00 1-216-053-00 1-216-085-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 68K 1.5K 33K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
JR002	Q567	8-729-901-01	TRANSISTOR DTC144EK		R524	1-216-063-00	METAL GLAZE				
ROOS 1-216-049-00 METAL GLAZE IK 5% 1/10W ROOT 1-216-049-00 METAL GLAZE 10K 5% 1/10W ROOT 1-216-073-00 METAL GLAZE 10K 5% 1/10W ROOS 1-216-049-00 METAL GLAZE 10K 5% 1/10W ROOT 1-216-049-00 METAL GL	JR002	1-216-295-00		Ų	R526 R527	1-216-053-00 1-216-071-00	METAL GLAZE METAL GLAZE METAL GLAZE	8.2K	5%	1/10W 1/10W 1/10W	
ROU7 1-216-073-00 METAL GLAZE 10K 5% 1/10W RO10 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO11 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO11 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO11 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO12 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO14 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO14 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO15 1-216-296-00 METAL GLAZE 11K 5% 1/10W RO16 1-216-049-00 METAL GLAZE 0 5% 1/10W RO16 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO17 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO17 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO17 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO17 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO18 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO19 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO19 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO19 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO19 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO19 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO19 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO20 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO20 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO25 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO25 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO25 1-216-049-00 METAL GLAZE 11K 5% 1/10W RO26 1-216-049-00 METAL GLA	R001 R002 R003	1-216-296-00 1-216-025-00 1-216-025-00 1-216-049-00	WEIAL GLAZE IK 5% 1/10	N	R531 R532 R533	1-216-696-11 1-216-085-00 1-249-427-11 1-216-105-00	METAL GLAZE METAL METAL GLAZE	33K 6.8K	0.50%	1/10W 1/10W 1/4W 1/4W	
R012 1-216-049-00 METAL GLAZE 1K 5% 1/10W R541 1-216-049-00 METAL GLAZE 1K 5% 1/10W R541 1-216-049-00 METAL GLAZE 1K 5% 1/10W R541 1-216-049-00 METAL GLAZE 1K 5% 1/10W R541 1-216-049-00 METAL GLAZE 1K 5% 1/10W R541 1-216-049-00 METAL GLAZE 1K 5% 1/10W R541 1-216-049-00 METAL GLAZE 1K 5% 1/10W R544 1-216-085-00 METAL GLAZE 33K 5% 1/10W R545 1-216-033-00 METAL GLAZE 33K 5% 1/10W R546 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R546 1-216-061-00 METAL GLAZE 3.3K 5% 1/10W R547 1-216-049-00 METAL GLAZE 1K 5% 1/10W R547 1-216-049-00 METAL GLAZE 1K 5% 1/10W R547 1-216-049-00 METAL GLAZE 1K 5% 1/10W R547 1-216-049-00 METAL GLAZE 1K 5% 1/10W R547 1-216-049-00 METAL GLAZE 1K 5% 1/10W R551 1-216-049-00 METAL GLAZE 1K 5% 1/10W R552 1-216-049-00 METAL GLAZE 1K 5% 1/10W R552 1-216-049-00 METAL GLAZE 1K 5% 1/10W R553 1-216-049-00 METAL GLAZE 33K 5% 1/10W R553 1-216-049-00 METAL GLAZE 33K 5% 1/10W R553 1-216-049-00 METAL GLAZE 33K 5% 1/10W R559 1-216-049-00 METAL GLAZE 33K 5% 1	R008 R010	1-216-073-00 1-216-049-00 1-216-049-00	METAL GLAZE 10K 5% 1/10 METAL GLAZE 1K 5% 1/10 METAL GLAZE 1K 5% 1/10	ή. Γι	R536 R538	1-216-057-00 1-216-025-00	METAL GLAZE METAL GLAZE	2.2K 100	5% 5%	1/10W 1/10W	
R015 1-216-296-00 METAL GLAZE 0 5% 1/8W R542 1-216-025-00 METAL GLAZE 100 5% 1/10W R016 1-216-045-00 METAL GLAZE 680 5% 1/10W R544 1-216-085-00 METAL GLAZE 33K 5% 1/10W R017 1-216-049-00 METAL GLAZE 1K 5% 1/10W R545 1-216-033-00 METAL GLAZE 220 5% 1/10W R546 1-216-041-00 METAL GLAZE 3.3K 5% 1/10W R547 1-216-049-00 METAL GLAZE 3.3K 5% 1/10W R547 1-216-049-00 METAL GLAZE 1K 5% 1/10W R547 1-216-049-00 METAL GLAZE 1K 5% 1/10W R021 1-216-065-00 METAL GLAZE 1K 5% 1/10W R025 1-216-049-00 METAL GLAZE 1K 5% 1/10W R025 1-216-049-00 METAL GLAZE 1K 5% 1/10W R552 1-216-049-00 METAL GLAZE 1C 5% 1/10W R552 1-216-049-00 METAL GLAZE 1C 5% 1/10W R553 1-216-085-00 METAL GLAZE 33K 5% 1/10W R559 1-216-049-00 METAL GLAZE 33K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W		1-216-049-00		Ų	R540	1-216-295-00	METAL GLAZE	0	5% 5%	1/10W	
RO20 1-216-049-00 METAL GLAZE 1K 5% 1/10W RO21 1-216-065-00 METAL GLAZE 1K 5% 1/10W RO25 1-216-049-00 METAL GLAZE 1K 5% 1/10W RO25 1-216-049-00 METAL GLAZE 1K 5% 1/10W RO26 1-216-049-00 METAL GLAZE 1K 5% 1/10W RO26 1-216-049-00 METAL GLAZE 1K 5% 1/10W R553 1-216-085-00 METAL GLAZE 33K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W	R015 R016 R017	1-216-296-00 1-216-045-00 1-216-049-00	METAL GLAZE 0 5% 1/8W METAL GLAZE 680 5% 1/10 METAL GLAZE 1K 5% 1/10	W W	R544 R545 R546	1-216-085-00 1-216-033-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE	33K 220 3.3K	5% 5% 5%	1/10W 1/10W	
RO25 1-216-049-00 METAL GLAZE 1K 5% 1/10W R552 1-216-097-00 METAL GLAZE 100K 5% 1/10W RO26 1-216-049-00 METAL GLAZE 1K 5% 1/10W R553 1-216-085-00 METAL GLAZE 33K 5% 1/10W R559 1-216-049-00 METAL GLAZE 1K 5% 1/10W	RO20 RO21	1-216-049-00 1-216-065-00	METAL GLAZE 470 5% 1/10' METAL GLAZE 1K 5% 1/10' METAL GLAZE 4.7K 5% 1/10'	W W	R551	1-216-049-00		1 K		1/10W	
	R025 R026	1-216-049-00		ŗ	R552 R553 R559	1-216-097-00 1-216-085-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	100K 33K 1K	5%	1/10W 1/10W 1/10W	

The components identified by shading and mark $\hat{\Lambda}$ are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque 🐧 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

M D3

specifi	iou.	piece	portant		ioro oposini				
REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART	NO.
R564 R565	1-216-091-00 1-216-065-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	56K 4.7K 10K	5% 5% 5%	1/10W 1/10W 1/10W				ACCE ****
R566 R567 R568	1-216-085-00	METAL GLAZE METAL GLAZE	33K 330K	5% 5%	1/10W 1/10W 1/10W			4-20	2-091
R570	1-216-049-00	METAL GLAZE	1 K	5%	1/10W			4-20	2-091
	<var< td=""><td>TABLE RESISTOR</td><td>!></td><td></td><td></td><td></td><td>i ! !</td><td></td><td>2-091 2-091</td></var<>	TABLE RESISTOR	! >				i ! !		2-091 2-091
RV506	1-241-766-21	RES, ADJ, CEF	RMET 47	'K) 	7 20	L 071
*****	********	*********	*****	****	******	******	 	*4-20	2-105
	*1-646-681-11	D3 BOARD					(((((((((*4-20 *4-20 *4-38	2-117 2-137
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td><td>† </td><td>1 30</td><td></td></cap<>	ACITOR>					† 	1 30	
C951	1-102-030-00	CERAMIC	330PF		10%	500V	i i i		
	<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td></td><td>í ! !</td><td></td><td>6-804 3-466</td></con<>	NECTOR>					í ! !		6-804 3-466
CN951	*1-564-505-11		OR 2P				 		
	<dio< td=""><td>DE></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></dio<>	DE>							
D951	8-719-970-39	DIODE ESAC92N	1 -02				i 		
	<c01< td=""><td>L></td><td></td><td></td><td></td><td></td><td>!</td><td></td><td></td></c01<>	L>					!		
L951	1-410-396-41	FERRITE BEAD	INDUCT	OR			! ! !		
*****	*********	**********	*****	****	******	******	 		
		CELLANEOUS					! ! ! !		
	. 1-402-715-11 . 1-402-716-11 . 1-451-394-11 1-452-032-00 1-452-094-00	COIL, DEGAUS: COIL, DEGAUS: DEFLECTION YO MAGNET, DISK MAGNET, ROTA	SING DKE (Y2 : 10MM	29EXA					
	1-452-616-12 1-504-121-21 1-504-145-11 1-590-501-11	SPEAKER (SQUA SPEAKER (12C) CORD, POWER	AWKER) M) (With I	(5CM) 101 SE)				
A	1-590-762-11	CORD. POWER	(WITH I	PLUG)	(KV-S291	20)			
¥901 <u>&</u>	. 8-733-837-05	PICTURE TUBE	(M68KI	JZ10X			 		

. Oi	PART NO.	DESCRIPTION	REMARK
	,,	IES AND PACKING MATERIALS	•
	4-202-091-11	MANUAL, INSTRUCTION (GERMAN/ENG FRENCH/DUTCH/ITALIAN/PORTUGUESE	
	4-202-091-51	MANUAL, INSTRUCTION (FRENCH/GER	
	4-202-091-61 4-202-091-71	MANUAL, INSTRUCTION (ENGLISH) (K MANUAL, INSTRUCTION (FRENCH/SPA DUTCH/SWEDISH/DANISH/FINNISH/NO	NISH/
	*4-202-105-01	CUSHION (LOWER) (ASSY)	1 3291367
	*4-202-106-01 *4-202-117-01 4-202-137-01 *4-384-027-01	CUSHION (UPPER) (ASSY) INDIVIDUAL CARTON DOOR, REAR BAG, PROTECTION	
	DEM	TE COMMANDED	

REMOTE COMMANDER

1-466-804-11 REMOTE COMMANDER (RM-832) 9-903-466-01 POCKET COVER (FOR RM-832)